

# AD Connect

Insights and perspective to help your business grow



The Food Industry in 2022 and Beyond

Labels for the Modern Automobile

New Dissolvable Construction



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The label and packaging industry continues to face industry-wide challenges with raw materials, transportation and labor constraints. The recent news of the UPM Strike ending is a great start toward supply chain stabilization, but we will continue to face domestic supply issues through the balance of this year. Our team is continuing the mitigation actions we have had in place since January. We are continuing to qualify additional raw materials suppliers in an effort to further diversify our supply chain. We are also continuing to recommend that customers switch to PET liners where possible. The end of the strike is good news for all, but we must remain vigilant in managing the supply gap for the remainder of this year.

Last year, we announced several improvements and investments that will strengthen our foundation and provide a path for solid growth for your business over the coming years. Despite the challenges we faced in Q1, our teams were able to make significant progress on these investments.

### Operational Improvements

- Adhesive Capacity - In Q4 2021 our new reactor in Mill Hall, PA went live. This investment is greatly helping in the expansion of our emulsion and solvent adhesive capacity.
- Film and Paper coating capacity - The two new coaters that we installed in the last year are staffed and operational, and on track in their ramp-up curves.
- Specialty Coating Capabilities - In Q1 2022, we added a solvent coater and a siliconizing line, which is adding coating capacity and will help enable short lead times for specialty labels. It also adds cleanroom capabilities to ensure top-quality for demanding applications in pharmaceuticals, durables and other specialty applications.
- Finishing Network Optimization - We are expanding our finishing capacity by adding new slitters and optimizing the network. These measures will improve delivery reliability and accommodate surges in demand, to support future growth while optimizing freight and service.

- Overlamine business- Our ACPO overlamine business has made significant progress both with service as well as long term security of supply. Lead times on standard products have been approximately two days for since the end of last year and our ship reliability is well above 90%. We are also uniquely positioned to manufacture this product line locally in the US – including the domestic sourcing of key raw materials and components.

Delivering the products you rely on remains our top priority. I am, however, excited about several other business updates and trends our teams are watching. You can read about these in this issue of AD Connect.

The food segment has undergone a huge transformation over the past two years. As the industry continues to adjust to new demands from consumers, we're developing products that respond to the growth and trends taking hold. In this issue, we'll explore more about the changing segment as well as share our new innovations such as our heat seal reclosure adhesive and an expanded food safety portfolio.

Despite the ongoing raw materials challenges, I am optimistic about both the near- and long-term future. Thank you for your continued loyalty and support, and I look forward to seeing many of you over the coming months and at LabelExpo in Chicago in September.



A handwritten signature in black ink, appearing to read 'Jeroen Diderich', written over a thin horizontal line.

Jeroen Diderich  
Vice President and General Manager  
Label and Graphic Materials, North America



**fire roasted  
veggie wrap**

peppers, zucchini, portabello mushroom, onions,  
and hummus on a whole wheat tortilla

PERISHABLE. KEEP REFRIGERATED  
NET WEIGHT 12 oz (340 g)

BEST BY: 12/18/25

freshli



**zesty southwest salad**

leafy greens, corn, black beans, tomatoes, cheese,  
tortilla strips, cilantro, with a tangy vinaigrette

PERISHABLE. KEEP REFRIGERATED  
NET WEIGHT 12 oz (340 g)

BEST BY: 12/18/25

freshli

# A Recipe for Change: The Food Industry in 2022 and Beyond

**The Food industry is changing — Avery Dennison's portfolio  
can help you respond to current and future trends**



There was a time — and it seems like it wasn't so long ago — when food shopping was pretty simple. You'd make a list and head to the grocery store, stock up on what your family would need to get through the week, maybe throw a few treats in the cart, and head for the checkout. The meals you then created with ingredients pulled from the refrigerator and cupboard would often be supplemented by those created by professionals — U.S. restaurants grew steadily to become a \$773 billion industry in the decade leading to 2019, according to Statista.

But the way we think about food — how we buy it, how much money we spend on it, what we want it to do for us, and our relationship with food brands, is undergoing significant change. This change is being driven partly by trends that have been gaining momentum for a long time. It's also being influenced by the pandemic, supply chain issues, and inflation that have upended life in the last two years.



### **Economic trends: Rising food costs drive self-sufficiency**

Food prices are indeed rising. While some major food manufacturers have been able to absorb inflationary pressure to a degree, others are looking to compensate by devoting more resources to e-commerce, fewer middlemen, and adjusted pack sizes. But regardless of what manufacturers do in an attempt to dampen the shock, we're seeing higher prices at the store. According to a report by the United States Department of Agriculture, food prices were 7.0% higher in January 2022 compared to January 2021.

Consumers are responding with renewed self-sufficiency. They're re-adopting strategies that helped them get through the pandemic, such as eating in, opting for staycations, and shopping locally. They may also be getting their hands dirty — 72% of consumers agree that growing their own vegetables saves them money, according to Mintel.

### **Consumer behavior trends: Food is more than sustenance**

Inflation is only one of the trends shaping the Food industry, however. We're seeing the continued

maturation of several consumer behavior trends that have been developing for years. The market research firm Mintel has highlighted four of them.

- **Enjoyment everywhere.** Consumers are seeking “joyful” products that amplify the flavors, colors, textures, aromas and interactivity that food and drink can provide. Many consumers spent time during lockdowns developing their cooking and cocktail-making skills. They're now looking for outlets to apply their new talents. Brands can help by creating food products that respond to this need for joy. Thoughtfully designed meal kits, digital cooking classes, and gamified recipes that make preparation and consumption more fun will have a broad appeal.
- **Consumers in control.** The healthy living megatrend has grown in influence in recent years, including in Food. Consumers are looking to feel more empowered to make confident decisions that protect not only their and their family's health but the health of the planet. According to Mintel, 88% of shoppers say clear nutritional information is important on food packaging, while more consumers are seeking products that help them eat better and manage their health.





nothing new. But consumers are more often expecting these perks in addition to aisles of food products. It's a trend that promises to reshape grocers and other retailers into venues that foster deeper connections between shoppers and brands.

**Packaged food trends: Supply chain issues trickle down to consumers**

An area of particular interest for those in the label and packaging industry is packaged food. We've seen continued, major supply chain interruptions in the space. This has led to spikes in commodity and ingredient prices and higher inflation. This has been especially evident in categories such as bread, pasta, cereals, and milk. Expect to see this inflation trickle down to the consumer level in 2022, according to Euromonitor.

Euromonitor identified some additional packaged food trends to keep an eye on in 2022 and beyond:

- Greater transparency. Consumers are looking for brands to be more honest and transparent in their communication. Examples include verified information, such as claims certified by third-party organizations. And if a brand's commitments to health-focused, environmentally friendly, or ethical policies result in higher prices, consumers want even greater transparency.
- The evolution of stores. Not only are expectations around food changing quickly, but so are expectations around food shopping. Consumers are increasingly looking at physical stores as places to experience — see, touch, taste — food products before purchase. The occasional cooking class or craft beer tasting event at a grocery store is perhaps

- Packaged snacks get a boost. The growth of packaged snacks took a hit during lockdowns, but they're on the rebound with the reopening of out-of-home channels. Shoppers returning to cafes, restaurants, and impulse channels to nosh helped boost packaged snack sales growth in 2021.

- Meal kits' popularity sustains. A growing desire to eat healthily, coupled with a desire to limit waste, has helped sustain the popularity of at-home meal kits.
- Meat alternatives are growing. Healthy eating is also cited as a factor in the growth of meat and seafood alternatives in North America and Western Europe. The U.S. is the number one market globally for these products, with additional retail expansion expected in 2022.

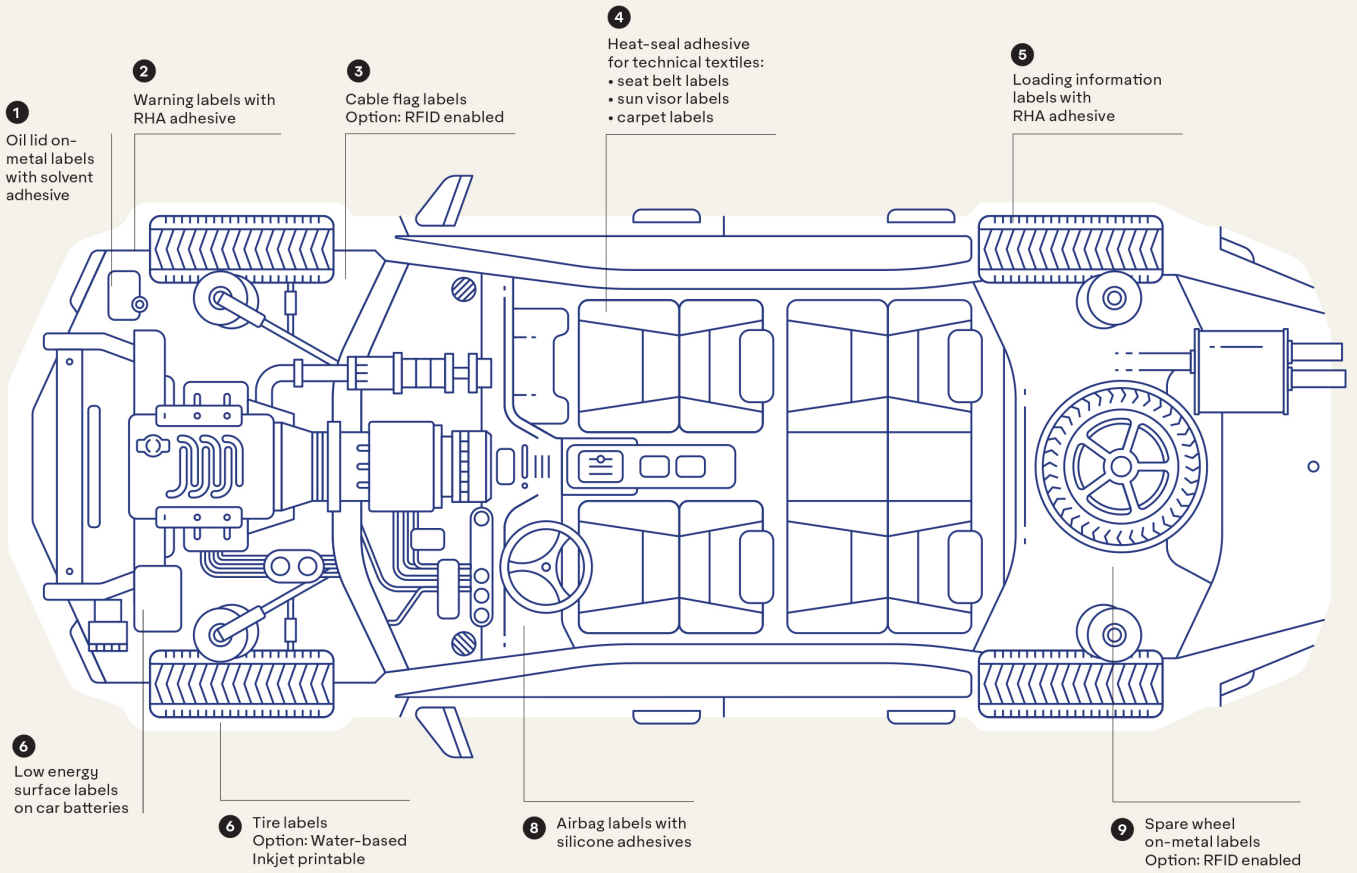
**Cook up growth for your business with Avery Dennison**

The Food industry is indeed changing rapidly, as consumer expectations and desires evolve. No doubt the trends we see in 2022 will change further in years to come. But whatever the industry brings, you can count on Avery Dennison to help you meet the packaging and labeling needs of Food brand owners.

This issue of AD Connect highlights some new products in Food, including innovations for reclosure and food rotation applications. Beyond that, our Food portfolio offers a wide variety of products that help brands deliver shelf appeal, greater functionality, sustainability, and safety. **AD**

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To learn more about all we offer to help you cook up growth for your business in Food, visit [label.averydennison.com/food](http://label.averydennison.com/food), or contact your Avery Dennison representative.



## Converted Labels

**1**

**4**

**7**

**2**

**5**

Weight Capacity	Truck 4	Truck 3	Truck 2
Truck 4	3750kg	3750kg	3750kg
Truck 3	3750kg	3750kg	3750kg
Truck 2	3750kg	3750kg	3750kg

**8**

**3**

**6**

**9**

# Labels for the Modern Automobile

The first truly affordable automobile — Henry Ford’s Model T — was introduced in 1908. For the next century, automotive styling, safety, and performance improved slowly and incrementally.

The automobile’s second century is off to a much faster start. Evolution is becoming a revolution. If he were around today, Ford (who insisted on very utilitarian vehicle designs) might be astonished at how cars are engineered and built.

## Some key automotive trends for the 2020s

Perhaps the most noticeable change is vehicle electrification. Most automobiles (along with light and heavy trucks) now feature an array of electronics. These enhance everything from safety to driver information to passenger entertainment. Vehicles are becoming increasingly networked as well, leveraging IoT technology that transmits data from around the vehicle to the driver or third parties. By 2030, up to a quarter of vehicles on the road will have battery packs replacing or complementing internal combustion.

Modern automobiles are also pushing the envelope with look and feel, and creature comforts. This is achieved partly through the use of a variety of textiles in the cabin in applications such as seating, carpeting, and safety belts.

Finally, automobiles are made to be driven longer. According to IHS Markit, the average age of a passenger car on U.S. roads was 12.1 years in 2021. This is up from 9.6 years in 2002. When a vehicle gets older, the durability of the materials used within it becomes critical.

## A portfolio to address automakers’ labeling needs

As automobiles have become more sophisticated, so have automakers’ labeling needs. Engine compartment labels must meet standards for durability; withstand exposure to chemicals, high heat and UV light; and adhere to a wide variety of substrates for the life of the vehicle. The proliferation of wire harnesses requires new materials for various cable sizes and substrates. Labels embedded with RFID inlays must be readable behind the dashboard, within a seat, or in other areas not visible to the eye.

The Avery Dennison portfolio includes materials engineered to perform in a variety of different label applications within vehicles. View those applications and label examples in the graphic (left). **AD**

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To learn more about our automotive solutions, contact your Avery Dennison representative or visit [label.averydennison.com/automotive](https://label.averydennison.com/automotive).



# New Dissolvable Construction Helps Improve Food Safety

Restaurants, grocery stores, and other food-service providers can benefit from our newest direct thermal label construction

We've recently updated our Food Rotation and Safety portfolio with a new direct thermal paper facestock featuring greater heat resistance. Unlike some other direct thermal papers, the facestock is less likely to blacken when exposed to the heat that's common in restaurant environments. This makes the printing easier to read (and act upon) throughout the service life of the label.

More restaurants and food-service providers are investing in direct thermal printing as a time saver for employees. This helps food workers save time while aligning with safety protocols related to food container labeling. And labeling is a crucial safety process: Properly labeling a container of raw chicken with its use-by date, for instance, can mean the difference between a costly contamination issue and a smooth food-service operation.

### **Foodborne illness is top of consumers' minds when it comes to food**

According to a 2019 survey published on Statista.com, foodborne illness was the number one food-related concern in the U.S. from 2018 to 2019. Since then, the pandemic has made many consumers even more attuned to their health and safety. So it's not beyond reason that foodborne illness will remain a top concern for 2022 and beyond.

The concern is not unfounded, either. The CDC estimates that one in six Americans gets sick from contaminated food and beverages annually. Leaders in the Restaurant and Food Service industries are certainly aware of the issue. A recent article in QSR, a publication serving the quick-service and fast-casual restaurant segments, noted that contamination issues typically stem from poor food safety culture, lack of education, poor training, operational inconsistency, and margin pressure. However, innovative new tools are available to help foodservice providers prevent contamination to keep their businesses, foods, and guests safer.

### **A portfolio designed to help restaurants and food-service providers operate safely**

The Avery Dennison Food Rotation and Safety portfolio is designed to do just that — help the Restaurant and Food Service industries operate safely and protect their customers.

The portfolio's foundation is a dissolvable label construction technology designed for use with stainless steel and HDPE food storage containers common across these industries. These labels, which are available for either thermal or hand printing, can

be adhered to a container. After use, they completely dissolve in seconds when immersed in water (during either machine or hand washing). Label residue, which can be a trap for bacteria and other contaminants, becomes a non-issue.

In a time when the food-service business model is evolving, easy-to-use tools that enhance safety is paramount. Grocery stores are upping their food-service game. Alternative restaurant models, including pop-ups and food trucks, are growing in popularity. The ghost kitchen concept, which helped some restaurants survive lockdowns, seems likely to sustain post-pandemic.

### **Look to Avery Dennison for food safety label solutions**

Safety and contamination prevention will continue to be a pressing concern for the Restaurant and Food Service industries. When your customers in these industries come to you for labeling solutions, respond with the Avery Dennison Food Rotation and Safety portfolio.

With the addition of this new thermal paper construction — spec number B5413 — the portfolio now includes four label products. All feature the S2600 pressure-sensitive dissolvable adhesive, and all are certified for indirect food contact by the FDA and ISEGA as long as there is a functional barrier between the label and food product.

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To learn more about the Food Rotation and Safety portfolio, receive sample materials, or discuss how we can partner with your business to grow in the Restaurant and Food Service industries, contact your Avery Dennison representative.

# Teams: Greenfield Manufacturing and Distribution



The Avery Dennison Greenfield Manufacturing and Distribution center is located in America's heartland — about 25 miles east of Indianapolis, Indiana. From this central location, the facility serves as a leading producer of the base materials that make up our variable-information paper, film, and prime paper label constructions, all featuring pressure-sensitive adhesives.



The role of the plant and its 460 Avery Dennison employees is crucial. In a nutshell: Greenfield receives the raw face, liner, silicone and adhesive materials from manufacturers worldwide while producing laminates in-house with four coating machines. From these raw materials, it makes 78-inch wide, 60,000-foot long (11-1/3 miles!) master rolls. Those masters are then slit to reduce their width and length into rolls with more usable dimensions, which are finally packaged and shipped to our customers.

### **28 years of production and expansion**

The plant started operations in 1994 with one coating machine and two slitting machines. It expanded in 2001 to better serve customer needs, adding a coating machine and three more slitting machines.

Since 2018, the Greenfield plant has undergone a major expansion, again aimed at helping meet brands' and converters' demand for our products. The plant has doubled in size with an additional 300,000 square feet of floor space. The space is taken up with the following new equipment:

- 1 state-of-the-art tandem coating machine that can coat silicone and adhesive at very high speed
- 1 dedicated film-on-film coating machine
- 4 slitting machines
- 1 packaging line
- New shipping docks and floor space to help facilitate distribution operations
- 8 automated guided vehicles (AGV) which fully automate the master roll movements within the plant

The expansion continues. In the coming year, Greenfield plans to add another slitting machine while continuing to optimize its shipping and warehouse space.

And while hiring has been a challenge across the country, Greenfield's expansion has also meant staff growth. More than 250 employees have come aboard since 2019, and the plant continues to recruit and hire. The plant has been running 24/7 since the pandemic.







### **What the Greenfield plant expansion means for converters**

The plant's expansion has helped keep products moving at a time when unprecedented supply chain issues and increased demand have made the past year extremely challenging for our industry. The expanded and improved Greenfield plant has a range of capabilities, produces superior quality products with a high productivity rate, and does this all from a central location that complements and supports our broader distribution network.

"Even if it is not enough, the plant expansion started at the right time," says Rémi Osseni, plant manager. "We were able to provide additional capacity in a period where we experienced six years' growth in the span of one year."

He adds, "We have a very dedicated and resilient team of employees! Even with the challenges of the past two years, including the pandemic, the site never stopped providing key products and services to our customers. Our new equipment was installed, tested and released to production without our suppliers being on site. We can be very proud of this achievement."

### **A commitment to our customers**

Avery Dennison is committed to providing the innovative, pressure-sensitive adhesive materials that label converters need to grow their business. Our state-of-the-art facilities, such as the Greenfield Manufacturing and Distribution Center, serve a key role in making this commitment a reality. To learn more about our solutions, contact your Avery Dennison representative, or visit [label.averydennison.com](http://label.averydennison.com). **AD**

# A Look at Post-Pandemic Consumer Trends

**Consumers are looking inward for satisfaction, but brands still have countless opportunities to stand out and grow**

It's doubtful that anyone in early February 2020 could have accurately predicted the past two years. The global pandemic has forced or accelerated significant shifts in the way we work, go to school, travel, be entertained, play, shop, spend holidays, vote, and so much more. Many Americans have reevaluated their career paths, leaving stable jobs to pursue passions, spend more time with family, or simply retire. Many have also moved away from crowded cities and suburbs, often abetted by employers adopting remote work arrangements.

2022 finds us still trying to return to a sense of "normal." Hopefully, the gravest pandemic threat has subsided, but COVID-19 and its variants remain a part of our lives. The U.S. economy is growing, but inflation threatens to stunt that growth. Old challenges persist — such as climate change and equality — while new international events threaten to profoundly affect the global economy and politics.

## **The cocooning consumer**

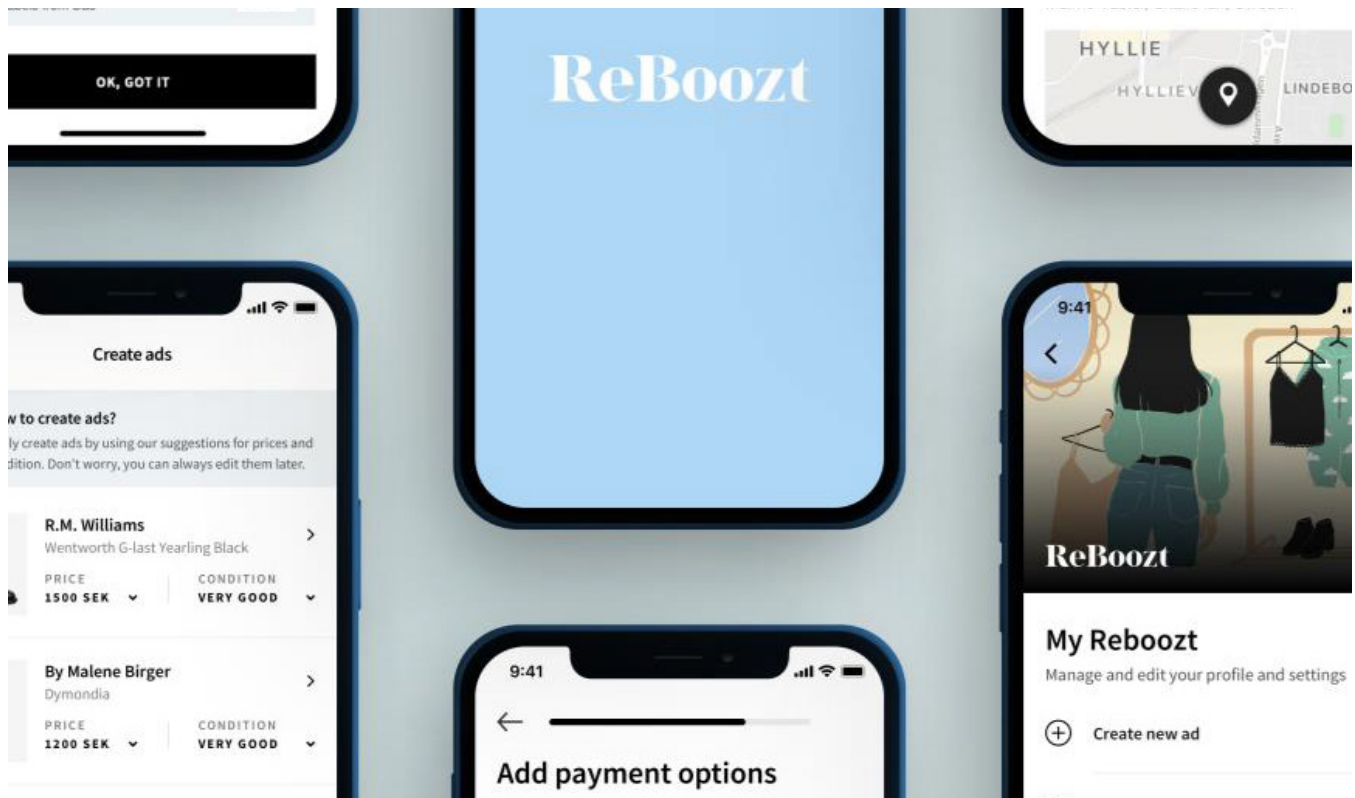
It's perhaps not surprising that consumers are "cocooning" and looking inward for satisfaction. According to a 2022 survey of consumer sentiments by Gartner Research, safety, health, serenity, simplicity, and security have risen steadily in recent years, while values of enjoyment, sharing, curiosity, freedom, and youth have declined.

And for the first time in the ten years that Gartner has fielded this particular survey, there was a five-way tie around consumers' top values: authenticity, responsibility, equality, loyalty, and justice.

## **7 consumer trends for the new normal**

Making accurate predictions remains a tricky business. But market research leaders are working to understand how we can expect consumers to behave in 2022 and beyond. What's emerging are themes of empowerment, flexibility, and home. We're keeping an eye on seven trends and their potential implications for brands:





## 1. A craving for control

The pandemic has triggered people to undertake dramatic personal changes to get a greater sense of control in their lives. Consumers wish to mitigate feelings of precariousness to further enhance their sense of control. According to Gartner, 66% of consumers want to keep their work and personal selves separate.

*Implication for brands: Consumers may be drawn to well-developed brand ecosystems and “super apps” that enable them to access multiple services and manage their lifestyles. The desire for control will also draw consumers to predictive technologies that anticipate events.*

## 2. A focus on personal happiness

Consumers have spent two years focused on the health and wellness of their communities. Now they’re getting back to focusing on personal happiness. According to Euromonitor, 24% of consumers prioritized time for themselves in 2021. This is double the amount in 2015.

*Implication for brands: As more pre-pandemic responsibilities (and stresses) return for consumers, brands should look for ways to help them maintain joy. Brands should also be aware that many consumers may seek happiness internally rather than from external sources.*

### 3. Flexible space, flexible time

58% of the total U.S. workforce is now remote, according to Findstack. Not surprisingly, 37% of workers say they've increased the frequency of performing personal tasks during working hours. Consumers are looking to derive more function and meaning from the spaces they interact with. They're reconsidering the experiences, possibilities, and meaning of their time.

*Implication for brands: The pandemic has left consumers craving support and convenience from various sources. They're increasingly seeking virtual and physical spaces that celebrate and welcome them. The development of the "metaverse," a fully digitized realm, will provide early-to-market brands with opportunities to define how consumers interact in these spaces.*

### 4. Digital empowerment

The pandemic has accelerated the integration of digital into all sorts of consumer interactions. According to a report by McKinsey, 71% of consumers want personalized interactions when dealing with companies, and 76% of consumers feel frustrated when it doesn't happen.

*Implication for brands: Consumers will increasingly expect consistency when interacting with brands, whether digital or in-person. And as consumers return to work, shopping, travel, and other pre-pandemic activities, they'll do so at their own pace and according to their own level of comfort. Brands should note this and seek to provide seamless and tailored experiences.*



## 5. A focus on the home

Overnight, the pandemic turned many homes into a workplace, school, restaurant, theater, and vacation spot. Now, even as we return to a new normal, many consumers prefer a home-centered approach to living. According to Gartner, 58% of consumers say that living through the pandemic will impact how they think about and manage their homes.

*Implication for brands: Consumers will engage in more thoughtful cost-benefit analyses when deciding whether to venture out. Many times, staying put will win. Brands should be aware that consumers will be investing more in their homes. And employers should be aware that flexible and hybrid working arrangements will become table stakes when looking to attract and retain talent.*

## 6. The rise of alternative shopping models

The supply chain issues that surfaced in 2021 led consumers to look for new ways to purchase favorite items or suitable alternatives. Many have embraced reuse. According to Euromonitor, 33% of consumers say they buy used/secondhand items at least every few months. Meanwhile, 28% say they tried locally sourced products and services in 2021. According to Specialty Food Magazine, only 32% of those under age 25 believe the future of shopping will take place in a supermarket.

*Implication for brands: Business models are evolving to include and spotlight buyback programs, reusable packaging, refurbished products, and peer-to-peer marketplaces. Brands that can tap into this trend can benefit from new revenue streams. Also, independent and convenience retailers located on high-traffic streets will be well-positioned to benefit from the local shopping trend.*

## 7. Mixed signals about the climate

Consumers are as concerned as ever about the growing climate crisis. Yet their attitudes and habits reveal mixed signals. For instance, according to E&Y, 86% of people say they consider the amount of packaging when buying a product, but 35% want more packaging to help minimize the risk of infection. 61% say they want more information to help them make sustainable choices, but only 20% take time to check sustainability claims on packaging and advertising.

*Implication for brands: Despite the mixed signals, sustainability promises to remain a key trend in the future. Brands have an opportunity to collaborate with both regulators and retailers to develop and implement a more consistent approach to standards and claims that help shoppers make more thoughtful choices. Brands that take clear and strong action on sustainability will have a competitive advantage.*

### **What's next? Countless opportunities to grow**

While nobody knows precisely what the future will bring, we can see some of the broad paths consumers are likely to follow. 2020 is not coming back. But 2022 and beyond will provide brands (and the converters that serve them) with countless opportunities to stand out, get noticed, and grow. **AD**

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Avery Dennison is your partner for that growth. With a broad portfolio of materials complemented by customization capabilities and industry-leading services, we can help you identify and take advantage of consumer behavior trends. Contact your Avery Dennison representative to learn more.



# Improved Adhesive Added to Heat Seal Reclosure Portfolio

**New option offers higher performance and greater sustainability benefits**

Heat seal reclosure systems have become popular for leafy greens and other food categories. Now, we've updated the Avery Dennison Heat Seal Reclosure portfolio with a new adhesive. This addition addresses producers' desire for a product offering even higher performance and greater sustainability.

## **New adhesive offers a variety of benefits**

The new adhesive, R3350, features lower peel strength from the first peel and maintains more of that strength on subsequent peels. As the functional packaging trend continues to strengthen, this level of performance addresses consumers' needs for ease of use combined with the assurance of product freshness: it's easy to open, but not so easy that the consumer worries if the reclosure is doing its job.

R3350 provides this level of performance to provide a satisfying consumer experience while replacing a standard rigid plastic top. That lowers the overall amount of material used in the construction, further lowering packaging weight and increasing the overall sustainability of the format. This new adhesive technology provides performance benefits throughout the value chain, and can help enable the adoption of HS technology for packaging options.

We offer this new adhesive with four heat seal reclosure constructions: a 0.5 mil and 1 mil film with antifog treatment and a 0.5 mil and 1 mil film without the treatment. R3350 joins our existing





Heat Seal Reclosure portfolio, which we will continue to develop in alignment with customers' needs.

### Heat seal reclosure applications and growth

Heat seal reclosure systems have great potential for use in various food categories, including fresh produce, baked goods, deli meats, nuts, cheese, and meal kits. Since its introduction, our Heat Seal Reclosure portfolio has gained much traction with leafy greens packaging.

Much of our adoption to date has come from the Controlled Environment Agriculture (CEA) industry, where producers operate out of high-technology greenhouses to maximize yields and profitability. There's been a significant amount of capital flowing into the segment. This has allowed producers, in turn, to make significant investments in heat sealing equipment. We're now starting to see an acceleration of interest from traditional leafy greens producers. These include companies serving large retailers such as Costco and Wal-Mart. And we're working with producers of both fresh bakery items and cut fruit, piloting heat seal reclosure packaging for their products. In each case, we're partnering with these providers to understand their unique technical needs for packaging and are helping them develop optimal solutions for those needs.

When converting a traditional clamshell to a heat seal reclosure system, there are numerous technical challenges. The process requires a unique set of environmental conditions, including pressure and heat. Adding to the complexity are the differences in heat sealing equipment makes and models, and tray design. Solutions need to be tailored to overall tray size and flange width. We've welcomed the opportunity to work with these producers and invite others to explore heat seal reclosure technology with us.

### A refresher on how heat seal reclosures work and why they're catching on

It doesn't take an industry expert to know that functionality is one of the most significant packaging trends in Food and Beverage. A walk through a grocery store, convenience store, or local market reveals a growing number of food products with packaging that delivers value-added benefits to the consumer through their design and materials. Heat seal reclosure is one example of this type of packaging. In this system, a layered film construction seals directly to the flange of a hard plastic tray. The construction is die-cut to allow a closure layer featuring a reclosure adhesive. That adhesive enables the closure to be opened and closed many times, providing ease of use and assurance of freshness.



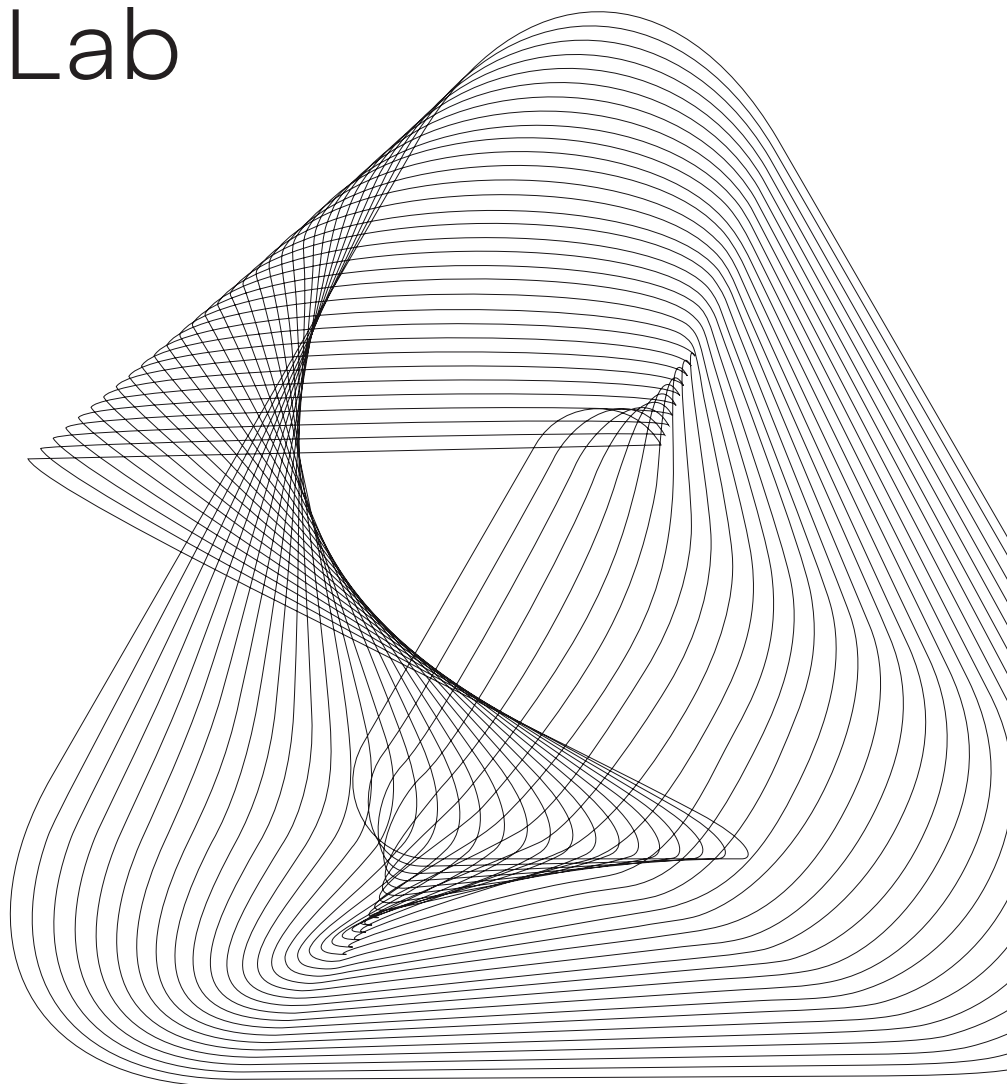
And because it replaces the traditional hard-plastic clamshell lid with a film construction, heat-sealed packaging uses up to 30% less material (depending on film thickness). This makes packaging lighter, more compact, and overall more sustainable.

This is a key benefit, as many national grocery chains have made significant commitments to reducing their use of plastic. The film construction also allows for a larger landscape for graphics and copy, helping brands create greater shelf appeal.

### Learn how heat seal reclosure technology can benefit your business

Contact your Avery Dennison sales representative to learn more about the heat seal reclosure system, our portfolio, and the new R3350 adhesive. **AD**

# A Collection of Ideas from the Avery Dennison Concept Lab











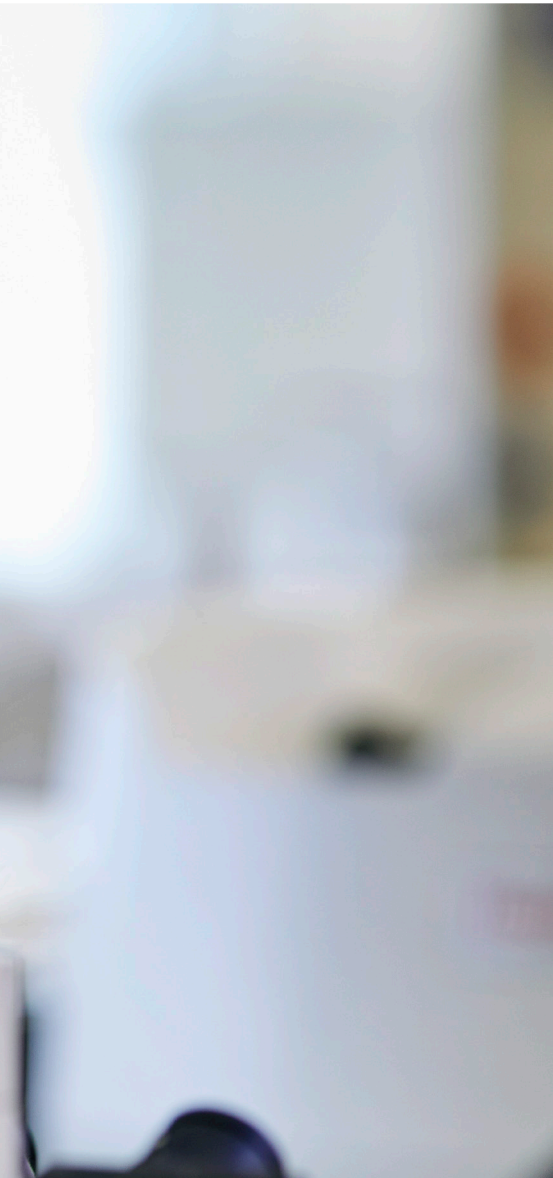


# Customization is an Expert Away





## **Collaboration. Validation. Commercialization.**



Take the opportunity to harness the power of an experienced team of label materials experts to create customized solutions for your clients. Technical Leaders can mix and match existing facestock, liners and adhesives or create an Engineered Solution with unique materials, specialized or patterned adhesives, or performance requirements.

Our technical solutions team will work with you to produce a custom material specifically designed to deliver supreme results – a one-of-a-kind label product for you and your end user.

Together, we'll develop, validate and commercialize an innovative solution that will please your clients and help drive your business.

### **Versatile, flexible way to create label solutions**

- Select from existing films, papers, foils, films, metallized and holographic films and more in combination with our best-performing adhesives for your application
- Get the benefit of a customized label solution with low MOQs and quick pricing

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Get started with Select Solutions Engineered Solutions, visit [label.averydennison.com/engineered](https://label.averydennison.com/engineered)

## Engineered Solutions

### Problem

You'll work directly with an Avery Dennison Technical Leader (TL) team member to help you solve problems

### Idea

Once you have the idea, our TL will provide you with quote, lead time and MOQ for the potential solution

### Prototype

Using our materials and specialists, along with your knowledge, we'll create a prototype for trial

### Verify + Validate






Working together, we'll verify and validate that the solution is truly fit for use

### Commercialize

Then we'll commercialize the final solution allowing you to execute the opportunity

### Adhesive Matrix

To help you better navigate our products, below is an easy-to-use and understand adhesive matrix. The matrix allows you to swiftly identify the correct adhesives for your applications.

		R423	R3400	S246	S490	S4600	S2501	S692N	S8001	S8015
Low Surface Energy		Excellent	Excellent	Excellent	Good	Excellent	Good	Good	Excellent	Excellent
High Surface Energy		Excellent	Good	Excellent	Excellent	Good	Good	Good	Excellent	Excellent
Tough Substrates		Not Recommended	Not Recommended	Not Recommended	Good	Excellent	Good	Not Recommended	Good	Excellent
Curved (>1")		Good	Good	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Excellent
Curved (<1")		Not Recommended	Not Recommended	Not Recommended	Not Recommended	Excellent	Not Recommended	Not Recommended	Good	Excellent

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# Select Solutions™ Cover-up Portfolio

High-opacity barrier coating on paper or film corrects errors and covers-up outdated information on packaging, labels and containers

## Portfolio Characteristics

- ▶ Durable, pressure-sensitive films, coated and uncoated papers
- ▶ A range of adhesives
- ▶ More cost-effective and convenient than removing old labels or replacing entire packages
- ▶ Easily masks obsolete variable information, barcodes and pricing
- ▶ New data is easy to read and completely scannable

## Applications

- ▶ Logistics and transport
- ▶ Pharmaceutical
- ▶ Industrial chemical labeling
- ▶ Food and retail promotions
- ▶ Home and personal care



Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
15477	Semi-Gloss Elite™ FasCover™ 2/AT20/40#SCK	EXACT™/2500	WCT	Next Day
		EXACT™/5000	GFD	
		EXACT™/10000	DAL	
54383	54# Semi-Gloss FasCover™ 2/C4500/40#SCK	EXACT™/5000	PTC	Next Day
19542	60# SG Elite FasCover/R128/40#SCK	30/1668	PTC	13 Days
07636	60# Cast Gloss FasCover™ 2/AT20/40#SCK	EXACT™/5000	GFD	Next Day
13138	60# Cast Gloss FasCover™ 2/S246/40#SCK	30/1668	PTC	13 Days
13601	Trans-Therm® 1C FasCover™ 2/AT20/40#CK	EXACT™/5000	PTC	Next Day
19342	Trans-Therm® 1C FasCover™ 2/R128/40#SCK	30/1668	PTC	13 Days
06263	Matte Litho FasCover™ 2/AT20/40#SCK	78/1668	GFD	Next Day
15562	Direct-Therm 200HD FasCover™/AT20N/40#SCK	60/1668	PVL	Next Day
53966	DJ 500HG FSCVR/S2501/40#	60/1668	PVL	Next Day
53825	Inverted-Face MaxFlex™ Bright Silver/S246/40#SCK	30/1668	PTC	13 Days
08192	Inverted-Face Bright Silver Foil/S246/40#SCK	30/1668	PTC	13 Days
75312	Inverted-Face Metallized Primax® 250/ S1000/44#PK	EXACT™/2500	PVL	4 Days
78932	2.3 Mil Metalized White BOPP TC/S692n/50#SCK	54/4200	PVL	4 Days

PVL=Painesville, OH PTC=Peachtree Clty, GA WCT=West Coast GFD=Greenfield, IN

# Automotive Portfolio

Performance that goes the distance

## Portfolio Characteristics

- Full range of self-adhesive materials, including multiple facestocks and adhesives
- High temperature and chemical resistance
- Durable performance in harsh environments
- Compliant with REACH, RoHS, IMDS and common testing parameters specified by automotive OEMs
- Excellent adhesion to a wide range of substrates, including rough and low surface energy plastics

## Applications

- **Under-the-hood**  
Labels for heat/chemical-resistant warnings, engine component instructions, tracking, fluid containers, car batteries and cables
- **Exterior**  
Fuel cap, tire pressure and tracking/service labels
- **Interior**  
Airbag, security/anti-counterfeit, warning, instruction and tracking labels



Spec#	Product Description	Width/Length (In./Ft)	Location	Lead Time	Metal Substrates	Painted and Plastic Substrates	Rough/Low Surface Energy Substrates	Interior Use Only
76656	2 Mil White PET TC/S8015/50#SCK	Stock/5000 EXACT™/1668	NEE	1 Day	✓	✓		
76658	2 Mil Matte White PET TC/S8015/50#SCK	Custom Coat/5000	PVL	5 Days	✓	✓		
76660	2 Mil Matte Chrome PET TC/S8015/50#SCK	EXACT™/1668	NEE	1 Day	✓	✓		
*79453	2 Mil White PET TC/S8049/50#SCK ABC	Stock/1668	PVL	1 Day	✓	✓	✓	
79534	2 Mil Matte Chrome PET TC/S8049/50#SCK ABC	Custom Coat/1668	PVL	5 Days	✓	✓	✓	
78385	2 Mil White PET TC/S8001/50#SCK	EXACT™/5000	PVL	1 Day	✓			✓
78401	3 Mil Synthetic Paper/S8001/50#SCK	EXACT™/5000	PVL	1 Day	✓			✓
78387	2 Mil Matte Chrome PET/S8001/50#SCK	EXACT™/5000	NEE	1 Day	✓			✓
79653	2 Mil White PET TC/8049A/EZ Liner	Custom Coat/1000	PVL	4 Days	✓	✓	✓	
79654	2 Mil Brushed Chrome PET TC/8049A/EZ Liner	Custom Coat/1000	PVL	4 Days	✓	✓	✓	
*79732	2 Mil White PET TC/S8029/50# SCK ABC	Single Roll/2500 Stock/1668	PVL	4 Days 1 Day	✓	✓	✓ ✓	
<b>Overlaminates</b>								
77855	1 Mil Clear Print-Treated PET/S730/1 Mil PET	EXACT™/5000	NEE	1 Day				
77841	1 Mil Clear PET TC/S8020/40# BG	Ready Width™ 6/5000 Ready Width™ 12/5000	PVL	1 Day				
<b>Products designed to be tamper evident</b>								
78194	2 Mil White Void PET TC/S8015W/50#SCK	EXACT™/1700	NEE	1 Day	✓	✓		
78195	2 Mil Silver Void PET TC/S8015/50#SCK	EXACT™/1700	NEE	1 Day	✓	✓		
<b>Labels designed to adhere to silicone or silicone-treated surfaces</b>								
*79438	1.5 Mil White PET TC/S8092/3 Mil PET	Single Roll/850	PVL	1 Day				

PVL=Painesville, OH NEE=Neenah, WI  
 ✓ = Performs on designated substrates

# Point-of-Purchase Tire Label Portfolio

Tire label materials designed for greater adhesion, performance and brand image

## Portfolio Characteristics

- Exclusive technology that prevents unsightly staining due to rubber compound migration through the label
- Consistent, premium look for better brand appeal
- Excellent adhesion, with very good material performance under extreme temperatures of -4 to 160°F
- Customizable adhesive coat weights

## Applications

- Tires





Spec#	Product Description	Coat Weight	Gum Pattern	Service Program	Location	Lead Time
79458	2.1 Mil PP TIRE TC WHITE/ TS8000/50# MF	65	Full Gum	Custom Coat	PTC	5 Days
79465	2.1 Mil PP TIRE TC WHITE/ TS8000 SGP/50# MF	65	6" Pattern	Custom Coat	PTC	5 Days
79462	2.1 Mil PP TIRE TC WHITE/ TS8000A/50# MF	58	Full Gum	Custom Coat	PTC	5 Days
79324	2.1 Mil PP TIRE TC WHITE/ TS8000A SGP/50# MF	58	5" Pattern	Custom Coat	PTC	See your Sales Rep
79466	2.1 Mil PP TIRE TC WHITE/ TS8000A SGP/50# MF	58	6" Pattern	Custom Coat	PTC	5 Days
79484	2.1 Mil PP TIRE TC WHITE/ TS8000 SGP/50# MF	50	5" Pattern	Custom Coat	PTC	5 Days
79811	3.0 Mil TIRE AUTO DISPENSE/ TS8000/45# BG	48	6" Pattern	Run & Hold	NEE	Run & Hold

For our full line of tire labeling offerings please visit our website or speak with your Avery Dennison Sales Representative.  
PTC=Peachtree City, GA NEE=Neenah, WI

# Appliance Portfolio

Functional constructions developed to perform on a variety of difficult-to-adhere-to surfaces

## Portfolio Characteristics

- Advanced adhesives that perform on difficult-to-adhere-to surfaces that are heavily textured; feature brushed metal, powder coatings and velvet finishes; or have come in contact with chemical cleaning agents
- Materials that offer branding and point-of-purchase performance, while providing abrasion, tear, and moisture and environmental resistance
- Voidable film facestocks and tamper-evident vinyls designed for counterfeiting and security functionality
- Removable adhesives for quick, clean removal
- Constructions suited for laser and thermal transfer printing

## Applications

- Washers and dryers
- Refrigerators
- Microwaves
- Coffee makers
- Televisions
- Toasters/toaster oven
- Trash compactors



Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
78385*	2 Mil White PET TC/S8001/50#SCK	EXACT™/5000	NEE	1 Day
78387*	2 Mil Chrome PET TC/S8001/50#SCK	EXACT™/5000	NEE	1 Day
77955	1 Mil Clear PET Overlamine	EXACT™/2500	PVL	1 Day
		EXACT™/2500	WCT	1 Day
78401*	3 Mil Synthetic Paper/S8001/50#SCK	EXACT™/5000	PVL	1 Day
78403*	2.3 Mil White BOPP TC/S8001/50#SCK	EXACT™/5000	NEE	1 Day
78947*	2 Mil Clear PET TCRC/S8015LW/50#MF	Stock 6/2500	PVL	1 Day
79327*	2 Mil Clear PET TCRC/S8025/50#MF	Custom Coat 60	PVL	7-10 Days
77921*	2 Mil Clear PET TC/S8025/50#SCK	EXACT™/5000	NEE	1 Day
78064**	2.3 Mil White BOPP TC/I406KB/40#BG	Custom Coat 60	PVL	7-10 Days
79648*	4 Mil Vinyl TCD/S8025/50#SCK	Stock 54/1668	PVL	1 Day
18328	60# Semi-Gloss Elite™/R5195/40#SCK	EXACT™/5000	PVL, PTC, QTN, DAL, WCT	1 Day
		EXACT™/10000	PVL, QTN	1 Day
78149	2.3 Mil White BOPP TC/R3500/40#SCK	EXACT™/5000	PVL	1 Day
78826	2 Mil Clear BOPP TC/R1490/1.2 Mil PET	Stock 54/1668	NEE	1 Day

\*UL®-recognized \*\*UL-recognition pending  
 NEE=Neenah, WI PVL=Painesville, OH WCT=West Coast  
 PTC=Peachtree City, GA QTN=Quakertown, PA DAL=Dallas, TX

# Drum Portfolio

Durable, proven materials featuring  
BS 5609 Section 2 and 3 certification

## Portfolio Characteristics

- Consistent adherence to a range of drum surfaces
- Strong enough to withstand ongoing outdoor exposure
- Weather- and temperature-resistant
- Impervious to contact with aggressive chemicals and saltwater
- Highly adaptable to varying container sizes and diameters
- A range of cost and performance options
- Materials suitable for thermal transfer and laser printing
- Repositionable adhesives

## Applications

- Containers
- Drums

All specifications are  
BS 5609 section 2 certified.



Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
<b>Print Method: Laser</b>				
78037	3.4 Mil Lasercode DL TC/S4600/79#CCK <b>BS 5609 Section 3</b> Lexmark C792e, Lexmark C6160, Primera CX1200, NeuraLabel 500e	EXACT™/5000	PVL	Next Day
54162	2 Mil White Laser PET/S4600/66#PK <b>BS 5609 Section 3</b> Lexmark C792e, Lexmark C6160, Primera CX1200, NeuraLabel 600e, Ricoh SP830, Ricoh 840, Japan Electronics Ind. Inc JP 600-L, Japan Electronics Ind. Inc JP 621-LC	Stock/1668	PVL	Next Day
<b>Print Method: Thermal Transfer &amp; UV Inkjet</b>				
79572	3.7 Mil Smudgeproof Kimdura®/S4600/50#SCK <b>BS 5609 Section 3</b> <b>UV Inkjet Printers:</b> Durst Tau330 (black only), Domino n610i, Jetrion 4000 Series for 4900 Press, Jetrion 4950. <b>Thermal Transfer Ribbons:</b> Armor AXR1/AXR600R: Zebra, Armor AXR7+/AXR600R Red: Microplex, Armor AXR 8 Black+AXR600R Red: Datamax, Zebra, limak SP330 Black+DC300 Ruby Red: Zebra, ITW B128 Black+B120 Red: Cab, Zebra, ITW B324 Black+B324 Red Resin: Cab, Datamax, Zebra ITW CP TR5940 Black+TR5440 Red: Datamax, Zebra	EXACT™/5000	PVL PVL WCT	Next Day
72197	Fasson® 4 Mil Transcode®/S475/50#SCK <b>BS 5609 Section 3</b> <b>UV Inkjet Printers:</b> Durst Tau330 (black only), Domino n610i, Jetrion 4000 Series for 4900 Press, Jetrion 4950, Mark Andy Digital One, Screen TruePressJet L350+. <b>Thermal Transfer Ribbons:</b> Armor AXR1/AXR600R: Zebra Armor AXR 8 Black+AXR600R Red: Datamax, Zebra Astromed RY Black+RAE Red: Zebra DNP R300 Black+R510 Red: Datamax, Zebra limak SP330 Black+DC300 Ruby Red: Data, Zebra limak SP575 Black+DC300 Ruby Red: Data, Zebra ITW B128 Black+B120 Red: Zebra ITW B324 Black+B324 Red Resin: Datamax, Zebra ITW CP TR5940 Black+CP TR5440 Red: Datamax, Zebra	EXACT™/5000	NEE WCT	Next Day
72197	Fasson® 4 Mil Transcode®/S475/50#SCK <b>BS 5609 Section 3</b> <b>UV Inkjet Printers:</b> Durst Tau330 (black only), Domino n610i, Jetrion 4000 Series for 4900 Press, Jetrion 4950, Mark Andy Digital One, Screen TruePressJet L350+, Armor AXR1/AXR600R: Zebra <b>Thermal Transfer Ribbons:</b> Armor AXR 8 Black+AXR600R Red: Datamax, Zebra Astromed RY Black+RAE Red: Zebra DNP R300 Black+R510 Red: Datamax, Zebra limak SP330 Black+DC300 Ruby Red: Data, Zebra limak SP575 Black+DC300 Ruby Red: Data, Zebra ITW B128 Black+B120 Red: Zebra ITW B324 Black+B324 Red Resin: Datamax, Zebra ITW CP TR5940 Black+CP TR5440 Red: Datamax, Zebra	EXACT™/5000	NEE WCT	Next Day

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Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
<b>Print Method: Inkjet</b>				
79348	Fasson® 5 Mil Matte Inkjet DL Kimdura®/S4600/50#SCK <b>BS 5609 Section 3</b> TMC3400, TMC3500, NeuraLabel 300x, Epson C831, Epson C6000, Epson C6500	EXACT™/2500	PVL	Next Day
79724	Fasson® 3.4 Mil Matte White SYN WBIJ/S4600/50#SCK <b>BS 5609 Section 3</b> Afinia L501, Primera LX910, TMC3400, TMC3500, Epson C831, Epson C6000, Epson C6500	EXACT™/10000	PTC	Next Day
<b>Print Method: Flexo</b>				
79572	3.7 Mil Smudgeproof Kimdura®/S4600/50#SCK <b>BS 5609 Section 3</b> <b>Flint no corona treatment:</b> Flint Force (all colors) - No Varnish, Flint Force (all colors) - Varnish (Flint UVF 02052) <b>Environmental Ink (corona treated):</b> DR III FR Ink (all colors) - No Varnish, Films III Ink (all colors) - No Varnish, Wikoff: PolyTech XR (all colors) - No Varnish	EXACT™/5000	PVL PVL WCT	Next Day
72197	Fasson® 4 Mil TransCode®/S475/50#SCK <b>BS 5609 Section 3</b> <b>Flint no corona treatment:</b> Flint Force (all colors) - Non Varnish, Flint Force (all colors) - Varnish (Flint UVF 02052) Environmental Ink (corona treated): DR III FR Ink (all colors) - No Varnish, Films III Ink (all colors) - No Varnish <b>Actega:</b> Optifilm Ink (all colors) - Varnish (Flint UVF 02052), Versifilm Ink (all colors) - Varnish (UVF 02052) Wikoff: PolyTech XR (all colors) - No Varnish	EXACT™/5000	NEE/ WCT	Next Day
79480	2.6 Mil Synthetic Paper/8020/50#SCK <b>BS 5609 Section 3</b> <b>Flint no corona treatment:</b> Flint Hydrofilm Ace (all colors)- Varnish (Flint UVF 02052) <b>Environmental Ink (corona treated):</b> DR III FR Ink (all colors) - No Varnish, Films III ink (all colors) - No Varnish, Wikoff: PolyTech XR (all colors) - No Varnish	Stock/1000	PVL	Next Day

PVL=Painesville, OH WCT=West Coast NEE=Neenah, WI PTC=Peachtree City, GA

# Fire Extinguisher Portfolio

New UL® 299 recognized solutions

## Portfolio Characteristics

- Two solutions with UL recognized inks, ribbons and adhesives for labeling portable dry chemical and powder fire extinguishers (Class D), and stainless steel water-based units (Class A)
- UL recognized label system allows you to file for a label adoption, significantly reducing the time, cost and effort of adding a product to a UL file

## Applications

- Fire extinguishers
- Safety equipment



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Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
77536	2.3 Mil White BOPP/S6600/50#SCK	EXACT™/5000	PVL	Next Day
77955	1 Mil Clear Print-Treated Polyester/S8020/1 Mil PET	EXACT™/2500	PVL, WCT	Next Day
		EXACT™/5000	PVL	

PVL=Painesville, OH WCT=West Coast

# HVAC Portfolio

Materials designed to perform on a broad range of surfaces under intense conditions

## Portfolio Characteristics

- Materials that showcase branding and point-of-purchase; with adhesives that remove cleanly over time
- Excellent abrasion and tear resistance; moisture resistance; environmental resistance (temperature extremes / UV / chemicals)
- Advanced adhesives for difficult-to-adhere-to surfaces
- Compatibility with oily surfaces
- Compatibility with laser, thermal transfer, inkjet and conventional printing methods

## Applications

- Air conditioners/air handlers
- Furnaces
- Water heaters
- Heat pumps
- Radiant flooring
- Thermostats
- Dehumidifiers
- Ventilation





Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
78385*	2 Mil White PET TC/S8001/50#SCK	EXACT™/5000	NEE	Next Day
78387*	2 Mil Chrome PET TC/S8001/50#SCK	EXACT™/5000	NEE	Next Day
77955	1 Mil Clear PET Overlam	EXACT™/2500	PVL, WCT	Next Day
		EXACT™/5000	PVL	Next Day
78401*	3 Mil Synthetic Paper/S8001/50#SCK	EXACT™/5000	PVL	Next Day
78403*	2.3 Mil White BOPP TC/S8001/50#SCK	EXACT™/5000	NEE	Next Day
77921*	2 Mil Clear PET TC/S8025/50#SCK	EXACT™/5000	NEE	Next Day
79648*	4 Mil Vinyl TCD/S8025/50#SCK	Stock 54/1668	PVL	Next Day
18328	60# Semi-Gloss Elite™/R5195/40#SCK	EXACT™/5000	QTN, NEE, PTC, PVL, WCT	Next Day
		EXACT™/10000		Next Day
78149	2.3 Mil White BOPP TC/R3500/40#SCK	EXACT™/5000	PVL	Next Day
78826	2 Mil Clear BOPP TC/R1490/1.2 Mil PET	Stock 54/1668	NEE	Next Day
79325*	1 Mil Clear UV PET/S3000/1 Mil PET	Stock 54/1668	PVL	Next Day

\*UL®-recognized  
 NEE=Neenah, WI PVL=Painesville, OH WCT=West Coast  
 QTN=Quakertown, PA PTC=Peachtree City, GA

# Lawn and Garden Portfolio

Designed for a breadth of applications, the portfolio's materials have been designed to meet the durability and versatility the outdoors demand

## Portfolio Characteristics

- All specifications are UL 969 and cUL C22.2 recognized
- Weather- and temperature-resistant
- Impervious to contact with aggressive chemicals, including oils and gasoline
- Reliable adhesion performance on rough, dusty and oily surfaces
- Excellent adhesion on low surface energy substrates

## Applications

- Lawn mowers
- Chainsaws
- Snow blowers
- Rototillers and more



Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
79453	Fasson® 2 Mil White PET TC/S8049/50#SCK	Stock 54/1668	PVL	Next Day
78981	Fasson® 2 Mil White PET TCD/S8025	EXACT™/5000	PVL	Next Day
78385	Fasson® 2 Mil White PET TC/S800150#SCK	EXACT™/5000	NEE	Next Day
78668	Fasson® 2 Mil Matte Chrome PET ITC/S8025/50#SCK	Custom Coat/5000	PVL	4 Days
78670	Fasson® 2 Mil Bright Chrome PET ITC/S8025/50#SCK	Custom Coat/5000	PVL	5 Days
79590	Fasson® 4 Mil White Vinyl/S730/50#SCK	Run & Hold	PVL	Next Day
75849	Fasson® 3 Mil Velvet Lexan/S730/1.5 Mil PET	EXACT™/1668	NEE	Next Day
75850	Fasson® 5 Mil Velvet Lexan/S730/1.5 Mil PET	EXACT™/1668	NEE	Next Day
77955	Fasson® 1 Mil Clear PRT PET/S8020/401 Mil PET Overlamine	EXACT™/2500	NEE/PVL	Next Day
79325	Fasson® 1 Mil Clear UV PET/S3000/1 Mil PET Overlamine	Stock 60/1668	PVL	Next Day
77843	Fasson® 1 Mil Matte PET/S8020/40#BG Overlamine	Stock 60/1668	PVL	Next Day

NEE= Neenah, WI PVL=Painesville, OH

# Medical Device Portfolio

## Portfolio Characteristics

- The national standard for safety testing of electrical medical devices is IEC 60601-1. Within this standard, labeling is deemed a critical component of a medical device.
- IEC 60601-1 has Durability of Marking requirements within the guideline that requires that both internal and external markings be clearly legible and that all required external markings be durable
- The test requirements include verifying that the external markings are clearly legible and that labels do not fall off or curl after the rub treatments
- UL has tested and certified several of the Avery Dennison Durables specs versus the above requirements on typical substrates used in medical devices.

## Applications

- ultrasound and MRI machines
- PET and CT scanners
- x-ray machines
- infusion pumps
- pacemakers
- wheelchairs



Durable Label Materials

Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
76656	2M WH PET TC/S8015	EXACT	NEE	Next Day
76660	2M MAT CH PET TC/S8015	EXACT	NEE	Next Day
77920	2M WH PET TC/S8025	EXACT	PVL	Next Day
77921	2M CL PET TC/S8025	EXACT	NEE	Next Day
77923	2M BRT CH PET TC/S8025	EXACT	NEE	Next Day
77922	2M MAT CH PET TC/S8025	EXACT	NEE	Next Day
78401	3M SYN PAPER/S8001	EXACT	PVL, WCT	Next Day
78403	2.3M WH BOPP TC/S8001	EXACT	NEE	Next Day

NEE= Neenah, WI PVL=Painesville, OH WCT=West Coast

# Overlaminates Portfolio

An extensive collection of overlaminates, including Lexan®, clear print-treated, clear topcoated, clear UV and matte polyesters, built for a variety of end use applications

## Portfolio Characteristics

- UL®-Recognized
- Tested to meet the requirements of a variety of environments, conditions, temperatures and OEM standards
- Ability to stiffen a construction for better application alignment creating a flush, no-label look



Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
75859	Fasson® 3 Mil Velvet Lexan®/S730/1.5 Mil PET	EXACT™/1700	NEE	Next Day
75850	Fasson® 5 Mil Velvet Lexan®/S730/1.5 Mil PET	EXACT™/1700	NEE	Next Day
77955	Fasson® 1 Mil Clear Print-Treated Polyester/S8020/1 Mil PET	EXACT™/2500	NEE	Next Day
77842	Fasson® 1 Mil Clear TC Polyester/S8020/1 Mil PET	60/1668	NEE, PVL	1-2 Days
77955	Fasson® 1 Mil Clear Print-Treated Polyester/S8020/1 Mil PET	EXACT™/2500	PVL, WCT	Next Day
		EXACT™/5000	PVL	Next Day
77843	Fasson® 1 Mil Matte Polyester/S8020/40#BG	60/1668	PVL	1-2 Days
77841	Fasson® 1 Mil Clear TC Polyester/S8020/40#BG	Ready Width™ 6/5000	PVL	1-2 Days
		Ready Width™ 12/5000	PVL	1-2 Days
77845	Fasson® 2 Mil Clear Print-Treated Polyester/S8020/40#BG	Custom Coat 60/5000	PVL	8-10 Days
77854	Fasson® 2 Mil Clear TC Polyester/S8020/40#BG	Custom Coat 60/5000	PVL	8-10 Days
79325	Fasson® 1 Mil Clear UV PET/S3000/1 Mil PET	60/1668	PVL	1-2 Days
77855	Fasson® 1 Mil Clear TC Polyester/S730/1 Mil PET	EXACT™/5000	NEE	Next Day

NEE=Neenah, WI PVL=Painesville, OH WCT=West Coast

# Outdoor Overlaminates Portfolio

New specialized overlaminates offer longer-lasting legibility for critical product messaging

## Portfolio Characteristics

- Enhanced durability, superior conformability, excellent abrasion resistance for applications which require two-, three-, or even five-year durability
- Testing has been conducted on all elements of the label construction including inks, overlaminates and base label material to ensure performance

## Applications

- Harsh environments and tough outdoor exposures to items, such as: heat, cold, rain, snow, chemicals, lubricating oils or gasoline

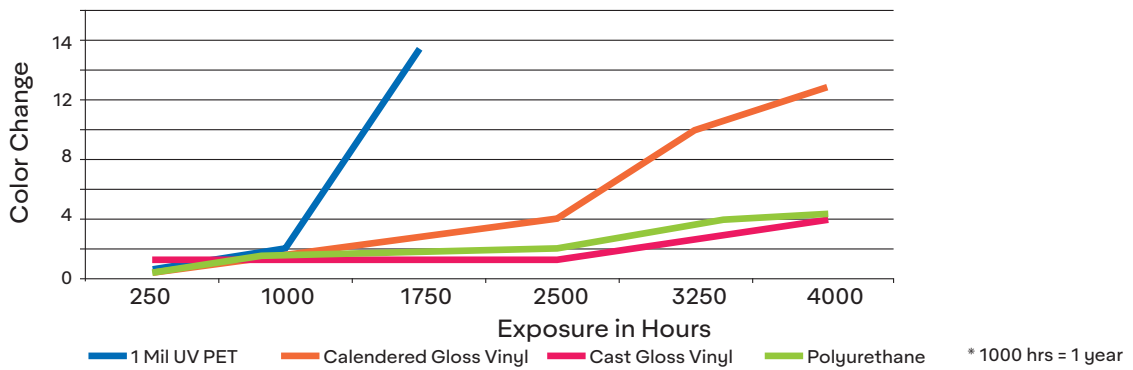




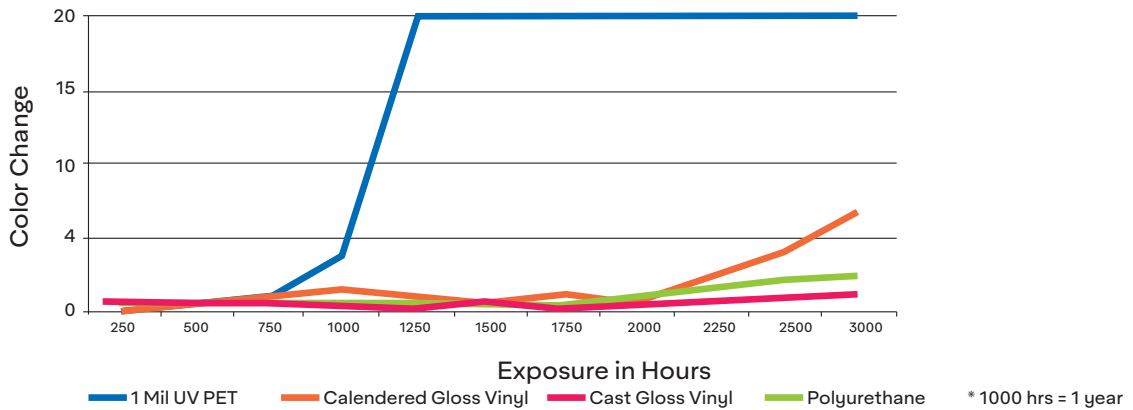
Spec#	Product Description	Width/ Length (In./Ft.)	Location	Lead Time
80051	2 Mil Cast Gloss Vinyl/S659/1.5 Mil PET	Stock 60/300	PVL	Next Day
80052	3 Mil Calendered Gloss Vinyl/S8072P /1.5 Mil PET	Stock 60/300	PVL	Next Day
80053	1.5 Mil Gloss Urethane/S659/1.5 Mil PET	Stock 60/300	PVL	Next Day
80054	3 Mil Calendered Matte Vinyl/S8072P /1.5 Mil PET	Stock 60/300	PVL	Next Day

PVL=Painesville, OH

**Xe Arc Testing with TT Ribbon (DNP R510HF) - PVC Base**



**Xe Arc Testing UV Flexo Ink (Black) - PVC Base**



# Safety and Warning Labels Portfolio

Reliable solutions designed to perform on a broad range of surfaces commonly subjected to climate or chemical exposure

## Portfolio Characteristics

- Reliable adhesion performance on rough, dusty and oily surfaces
- Weather- and temperature-resistant
- Impervious to contact with aggressive chemicals, oils and gasoline
- Highly adaptable to varying surface and application conditions
- Materials suitable for thermal transfer, digital and laser printing

## Applications

- Appliances
- Lawn and garden
- Automotive
- Electronics
- Medical device applications



Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
79453	Fasson® 2 Mil White PET TC/S8049/50#SCK	Stock 54/1668	PVL	Next Day
77920	Fasson® 2 Mil White PET TC/S8025/50#SCK	EXACT™/5000	NEE	Next Day
78385	Fasson® 2 Mil White PET TC/S8001/50#SCK	EXACT™/5000	NEE	Next Day
77922	Fasson® 2 Mil Matte Chrome PET TC/S8025/50#SCK	EXACT™/5000	PVL	4 Days
78403	Fasson® 2.3 Mil White BOPP TC/S8001/50#SCK	EXACT™/5000	NEE	Next Day
79404	Fasson® 3 Mil SYN PAPER WBIJ/S8001/50#SCK	EXACT™/2500	PVL	Next Day
79653	Fasson® 2 Mil White PET TC/S8049/EZ Liner	Stock 55/2500	PVL	5 Days
79651	Fasson® 4 Mil White Vinyl/S8025/EZ Liner	Stock 55/2500	PVL	5 Days
79246	Fasson® 4 Mil White Vinyl/S8025/50#SCK	Custom Coat/5000	PVL	4 Days
75849	Fasson® 3 Mil Velvet Lexan®/S730/1.5 Mil PET	EXACT™/1668	NEE	Next Day
75850	Fasson® 5 Mil Velvet Lexan®/S730/1.5 Mil PET	EXACT™/1668	NEE	Next Day
79325	Fasson® 1 Mil Clear UV PET/S3000/1.0 Mil PET Overlamine	Stock 60/1668	PVL	Next Day
77843	Fasson® 1 Mil Matte PET/S8020/40#BG Overlamine	Stock 60/1668	PVL	Next Day

NEE=Neenah, WI PVL=Painesville, OH

# Validation Decal Portfolio

## Portfolio Characteristics

- Available with 10 standard colors plus custom colors
- Avery Dennison SecureMark™ custom designed to prevent counterfeiting
- Tamper-evident and non-transferable
- High legibility day and night at various of entrance angles
- Omni-Directional
- Cold temperature performance
- High quality manufacturing - ISO certified – Lean Six Sigma

## Applications

- Vehicle Tag and Sticker (car, boat, truck, RV)



**50# SCK Liner**

	Non-watermarked		With Official Watermark	
	Spec#	Product Description	Spec#	Product Description
<b>White</b>	27995	WH VAL DECAL 50#	27252	WH VAL DECAL 50#
<b>Red</b>	27244	RED VAL DECAL 50#	27245	RED VAL DECAL PRT WM 50#
<b>Orange</b>	27246	ORANGE VAL DECAL 50#	27247	ORANGE VAL DECAL WM 50#
<b>Yellow</b>	27242	YELLOW VAL DECAL 50#	27243	YELLOW VAL DECAL PRT WM 50#
<b>Green</b>	24250	GREEN VAL DECAL 50#	27251	GREEN VAL DECAL PRT WM 50#
<b>Blue</b>	27248	BLUE VAL DECAL 50#	27249	BLUE VAL DECAL WM 50#
<b>Magenta</b>	25301	MAGENTA VAL DECAL 50#	27254	MAGENTA VAL DECAL PRT WM 50#
<b>Yellow Green</b>	25302	YEL GRN VAL DECAL 50#	27255	YEL GRN VAL DECAL PRT WM 50#
<b>Lemon Yellow</b>	25300	LEMON YEL VAL DECAL 50#	27253	LEM YL VAL DECAL WM 50#
<b>Gold</b>	25303	GOLD VAL DECAL 50#	27256	GOLD VAL DECAL PRT WM 50#

**90# Stay-Flat Liner**

	Non-watermarked		With Official Watermark	
	Spec#	Product Description	Spec#	Product Description
<b>White</b>	27996	WH VAL DECAL 90#	27270	WH VAL DECAL PRT WM 90#
<b>Red</b>	27999	RED VAL DECAL 90#	28000	RED VAL DECAL PRT WM 90#
<b>Orange</b>	28001	ORANGE VAL DECAL 90#	28002	ORANGE VAL DECAL PRT WM 90#
<b>Yellow</b>	27997	YELLOW VAL DECAL 90#	27998	YELLOW VAL DECAL PRT WM 90#
<b>Green</b>	27268	GREEN VAL DECAL 90#	27269	GREEN VAL DECAL PRT WM 90#
<b>Blue</b>	28003	BLUE VAL DECAL 90#	28004	BLUE VAL DECAL PRT WM 90#
<b>Magenta</b>	25331	MAGENTA VAL DECAL 90#	27281	MAGENTA VAL DECAL PRT WM 90#
<b>Yellow Green</b>	25332	YEL GRN VAL DECAL 90#	27282	YEL GRN VAL DECAL PRT WM 90#
<b>Lemon Yellow</b>	25330	LEMON YEL VAL DECAL 90#	27280	LEMON YEL VAL DECAL PRT WM 90#
<b>Gold</b>	25333	GOLD VAL DECAL 90#	27283	GOLD VAL DECAL PRT WM 90#

All specs have a minimum order quantity of 48" x 3000'  
Lead time of 10-15 days out of PVL=Painesville, OH  
Custom watermarks are available

# Select Solutions™ Food Safety and Rotation Portfolio

Dissolvables and Removables identify and safeguard

## Portfolio Characteristics

- Food rotation labels help ensure compliance with FDA regulations
- Dissolvables disintegrate in water in seconds with slight agitation
- Dissolvable and removable labels are an excellent solution for food rotation or inventory management to help drive productivity

## Applications

- Dissolvable / Removable
- Inventory labels
- Container date code labels
- Days of the week labels
- Use by labels



Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
15666	Dissolvable FSC®/S2600/40#SCK	EXACT™/5000 45/1668	DAL DAL/PVL	Next Day
54353	Dispersable FSC®/S2600/40#SCK	54/1668	DAL/PVL	Next Day
79751	Dissolvable Paper FSC®/S2600/69#MF	45/5600	PVL	5 Days
B5413	DT Dissolve FSC®/S2600/40#SCK	54/1668	DAL/PVL	Next Day

PVL=Painesville, OH DAL=Dallas, TX

# Rapid-Roll® Flexible Packaging Portfolio

Flexible packaging solutions for on-the-go convenience and single-use portions

## Portfolio Characteristics

- Rapid-Roll FlexPak™ Portfolio features both film-faced and paper-faced pouch materials
- High-barrier sealant films keep contents safely inside
- Select from single-ply to multi-ply lamination combinations to best fit your needs
- New sustainable product options featuring recyclable stand up pouch, sustainable cosmetic web and bio-based white cello surlyn stickpak
- Converting and co-packer education and testing available
- High-impact graphic capability for maximum branding and shelf appeal
- Visit [label.averydennison.com/rapidroll](http://label.averydennison.com/rapidroll) for the complete flexible packaging portfolio offering

## Applications

- Consumer packaged goods
- Food & beverage
- Health & beauty
- Nutraceutical





Spec#	Product Description	Location	Service Program
54025	ChemControl Ultra	NEE	Stock
79537	ChemControl Premium Ultra	NEE	EXACT™
79340	White StickPak LDPE 280 HB	NEE	EXACT™
78432	White StickPak Metallocene 300 HB	NEE	EXACT™
78831	Silver StickPak Metallocene 300 HB	NEE	Stock
79343	White StickPak Surlyn® 280 HB	WCT	EXACT™
79344	Silver StickPak Surlyn® 280 HB	NEE	Stock
B3891	Easy Open WH Cello StickPak Surlyn® Plus	NEE	EXACT™
75758	White Cosmetic Web 350 SB	NEE	EXACT™
75760	Silver Cosmetic Web 350 SB	NEE	EXACT™
79332	White Cosmetic Web 350 HB	NEE	EXACT™
79333	White Cosmetic Web 350 HB	NEE	EXACT™
77553	White Cosmetic Ultra 370 HB	NEE	EXACT™
78857	Ultra Silver Cosmetic Web 370 HB	NEE	Stock
79334	White Cosmetic Ultra+ 530 HB	NEE	EXACT™
79335	Silver Cosmetic Ultra+ 530 HB	NEE	Stock
79122	White Multi-ply Snack Web 260 SB	NEE	Stock
79123	White Multi-ply Snack Web 260 HB	NEE	Stock
79125	Clear Multi-ply Snack Web 260 HB	NEE	Stock
79426	Metallized Coffee Web 210 HB	NEE	EXACT™
79355	White Metallized Snack Web	NEE	EXACT™
78806	WH Singleply Snack Web 170	NEE	Stock
79850	25# PFP 305	NEE	EXACT™
79851	35# PFP 360	WCT	EXACT™
B4986	25# PFP FSC® W/SURLYN	NEE	EXACT™
75746	25# PPMOPP 260	NEE	EXACT™
75742	35# PPMOPP 330	WCT	Stock
78918	48GA GL PET FLEXPAC OVERLAM	NEE	Custom
79861	48G MATTE PET FLEXPAC OVERLAM	NEE	Custom
79934	Clear Multi-ply SUP 360 HB	NEE	EXACT™
79935	White Multi-ply SUP 360 HB	NEE	EXACT™
79936	Metallized Multi-ply SUP 360 HB	NEE	EXACT™
B1900	4Mil Clear Recyclable SUP	NEE	Stock

NEE=Neenah, WI WCT=West Coast

# Reclosure Portfolio

Cost-effective, user-friendly resealing alternatives combining convenience with branding

## Portfolio Characteristics

- Works with wet or dry applications
- Can be over-laminated with transparent PP or PET films for added stiffness
- Various types of seal strength and peel “feel”
- Good moisture, solvent, fat and oil resistance
- R1490 adhesive approved for direct food contact and suitable for microwave conditions
- New barrier facestock





**Dry Conditions**  
(dry foods, cookies, crackers)

**Adhesive:**  
R3400

- Easy Peel Back
- Low Odor
- Meets FDA 175.105 requirements



**Damp Conditions**  
(deli meats)

**Adhesive:**  
R3500  
R3525 – 25% higher peel than R3500

- Economical Alternative
- Good Initial Tack
- More “grab” than R3400
- Low Odor
- Meets FDA 175.105 requirements



**High Moisture Conditions**  
(wet wipes, cleaning pads)

**Adhesive:**  
R1490 – Approved for Direct Food  
Contact FCN 1716  
R1450 – 40% lower peel than R1490

- Stable, Smooth Peel Back
- Low Odor
- Excellent Adhesion Rebuild
- Broad Substrate Performance

Available with white and clear top coated BOPP. Available custom facestocks for tailored solutions. For other FDA requirements, please contact your Avery Dennison representative.

Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
78632	Fasson® 2.3 Mil White BOPP TC/R3400/1.2 Mil PET	60/1668	PVL	Next Day
78860	2 Mil CL BOPP TC/R3400/1 Mil PET	60/1668	PVL	Next Day
79657	Fasson® 2 Mil MET BOPP TC/R3400/1.2 Mil PET	54/4630	PVL	5 Days
77461	Fasson® 2.3 Mil White BOPP TC/R3500/1.2 Mil PET	EXACT™/10000	PVL	Next Day
B2809	Fasson® 2 Mil Clear BOPP TC/R3500/1.2 Mil PET	EXACT™/15000	PVL	Next Day
B2959	Fasson® 2 Mil CL BOPP TC/R3525/1.2 Mil PET	60/4167	PVL	10 Days
B3530	Fasson® 2 Mil Clear BOPP TC/R1490/1.2 Mil PET	60/1000	PVL	7 Days
		54/1668	NEE	Next Day
79008	Fasson® 2.3 Mil White BOPP TC/R1490/1.2 Mil PET	60/1000	PVL	7 Days
77652	Fasson® 2.3 Mil White BOPP TC/R143/1.2 Mil PET	60/1000	PVL	Next Day
		54/1668	NEE	Next Day
B3812	Fasson® 2 Mil Clear BOPP TC/R143/1.2 Mil PET	60/1000	PVL	7 Days
		54/1668	NEE	Next Day
79999	Fasson® 2 Mil Clear BOPP TC Barrier/R1490/1.2 Mil PET	54/4167	PVL	10 Days

# Rapid-Roll® Shrink Sleeve Portfolio

## Portfolio Characteristics

- High and medium shrink films to fit the contours of unique bottle shapes and cope with different shrink techniques
- All printable by UV & WB Flexo, Offset, Gravure, with an ITC coated option as well for Digital
- Offers tamper evident security
- Offers the real estate to use high impact graphics to create a 360 degree billboard for your brand on the packaging
- PETG and non-PETG grades to suit application needs

## Applications

- Alcoholic and Non-Alcoholic Beverage
- Food
- Household Chemicals
- Personal Care
- Bundling
- Nutraceuticals
- Enriched/Infused Beverages\*
- Dairy\*
- Coverup\*

\*Applies to 80059



Spec#	Product Description	Service	Location
79765	50 Micron Clear High Shrink PETG	EXACT™	DAL, QTN
79793*	50 Micron Echo High Shrink Co-Polyester	Stock	DAL
79943	45 Micron Clear High Shrink PETG	Stock	QTN
79767	50 Micron Clear Medium Shrink PETG	Stock	DAL, QTN
79766	50 Micron Clear Med Shrink PETG ITC	Stock	NEE
79792*	50 Micron Echo Medium Shrink Co-Polyester	Stock	DAL
79363	60 Micron PETG OPT BRIGHT	Custom	QTN

DAL=Dallas, TX QTN=Quakertown, PA NEE=Neenah, WI

\*Echo shrink is recognized as a recyclable shrink sleeve material meeting or exceeding APR's Critical Guidance Protocol for Clear PET Articles with Labels and Closures requirements.

# Security Portfolio

Anti-tamper and anti-counterfeit solutions reinforce quality and assure authenticity

## Portfolio Characteristics

- Customizable UV and IR print options
- Enhanced thermal transfer graphic solutions
- Chemical resistant coating for liquid products
- Adhesion to a wide range of substrates including paper, cardboard, metals, plastics, glass and even fabrics

## Applications

- Home and personal care
- Consumer packaged goods
- Pharmaceutical
- Automotive
- Medical
- Durable goods
- Tamper evident



Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
<b>Tamper Evident Paper</b>				
19348	Fasson® Tamper Resistant Litho/S814/40#SCK	EXACT™/5000	PVL	Next Day
08417	Fasson® Tamper-Resistant Litho/S246B/40#SCK	30/1668	PTC	10 Days
<b>Void</b>				
78194	Fasson® 2 Mil White Void Polyester TC/S8015W/50#SCK	EXACT™/1668	NEE	Next Day
78195	Fasson® 2 Mil Silver Void Polyester TC/S8015/50#SCK	EXACT™/1668	NEE	Next Day
78196	Fasson® 2 Mil Matte Chrome Void Polyester TC/S8015/50#SCK	54/1000	PVL	4 Days
<b>Frangible Film</b>				
79449	Fasson® 2 Mil Tamperfas™ Satin Vinyl/S730/50#SCK	48/1668	PVL	Next Day
60097	Fasson® 2 Mil Clear Acetate/S730/50#SCK ABC	52/1668	PVL	Next Day
60091	Fasson® 1.5 Mil Clear Acetate/S730/50#SCK	52/5000	PVL	10 Days
<b>SharpTear™</b>				
77964	Fasson® 3 Mil Clear MDO/S692N/1.2 Mil PET	EXACT™/10000	QTN	Next Day
77980	Fasson® 3 Mil White MDO/S692N/1.2 Mil PET	EXACT™10000	NEE	Next Day

NEE=Neenah, WI PVL=Painesville, OH QTN=Quakertown, PA PTC=Peachtree City, GA

# Fluorescent Portfolio

Fluorescents identify and safeguard

## Portfolio Characteristics

- Fluorescents are available in many bold colors
- Silver and other colored labels help enhance shelf appeal
- Removables allow consumer to remove the promotional label from the packaging or place labels elsewhere for collecting or kiddie stickers

## Applications

- **Promotional**  
Fluorescent labels, discount or other promotional labels
- **Inventory management**  
WIP labels or Quality Accepted labels





Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
54249	Chart Fluor/C2500/40#SCK	EXACT™/5000	PTC	Next Day
54250	Green Fluor/C2500/40#CK	EXACT™/5000	PTC	Next Day
54251	Orange Fluor/C2500/40#CK	EXACT™/5000	PVL, PTC	Next Day
54252	Pink Fluor/C2500/40#SCK	EXACT™/2500	PTC	Next Day
		60/1668	TOR	Next Day
54253	Red Fluor/C2500/40#CK	EXACT™/5000	PVL, WCT, PTC	Next Day
54258	Red Fluor/AT20/40#SCK	78/1668	PVL	Next Day
54274	Green Fluor/S246/40#SCK	30/1500	PTC	4 Days
54275	Orange Fluor/S246/40#SCK	30/1500	PTC	4 Days
54276	Red Fluor/S246/40#SCK	30/1668	PTC	4 Days
54271	Red Fluor/R195/40#SCK	60/4200	PVL	10 Days
54267	Chart Fluor/R195/40#SCK	60/1668	PVL	Next Day
54268	Green Fluor/R195/40#SCK	60/4200	PVL	4 Days
54269	Orange Fluor/R195/40#SCK	60/1668	PVL	Next Day
54270	Pink Fluor/R195/40#SCK	60/1668	PVL	Next Day
54263	Chart Fluor/R128/40#SCK	30/1500	PTC	4 Days
54264	Green Fluor/R128/40#SCK	30/1668	PTC	4 Days
54265	Orange Fluor/R128/40#SCK	30/1500	PTC	4 Days
54266	Red Fluor/R128/40#SCK	30/1500	PTC	4 Days

For the removables products, go to our removable guide on page 96  
 PVL=Painesville, OH PTC=Peachtree City, GA  
 WCT = West Coast TOR=Toronto, ON, Canada

# Bumper Sticker Portfolio

Durable constructions that get noticed

## Portfolio Characteristics

- Consistent adherence to a range of substrates
- Weather- and temperature-resistant
- A range of cost and performance options
- Excellent dimensional stability
- Materials with a variety of processes from flexo to digital
- Ready-to-roll, lay-flat liner suited for sheet applications
- Topcoated and non-topcoated materials

## Applications

- Automotives and fleet
- Promotional materials



## Promotion

Spec	Product Description	Width/Length (In./Ft.)	Location	Lead Time
78244	Bmpstk 4 Mil Vinyl NTC/S475/78#CCK	54/2500	PVL	4 Days
86272	4 Mil White Flex Vinyl/S475/65#MF	54/2500	PVL	4 Days
41168	4 Mil White Flex Vinyl/R143/50#	54/2500	PVL	10 Days

PVL = Painesville, OH



Promotion

Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
18392	60# Archival Semi-Gloss/S490/40#LF	EXACT™/10000 78/1668	PVL	Next Day
18559	60# Archival Semi-Gloss/R5195/40#LF	EXACT™/10000 78/1668	GFD GFD	Next Day Next Day
54116	54# Semi-Gloss FSC®/R5195/46#LF	EXACT™/15000 78/1668	NEE	Next Day
79374	2.3 Mil White BOPP TC/S490/69#LF	60/4167	PVL	10 Days
17311	2.3 Mil White BOPP TC/R195/65#LF	60/4167	PVL	10 Days
53623	MaxFlex™ Silver/S490/69#MF	60/10000	PVL	10 Days
53676	MaxFlex™ Silver/R195/69#MF	60/4167	PVL	10 Days

PVL=Painesville, OH NEE=Neenah, WI GFD=Greenfield, IN

# Removables Portfolio

A proven core of multipurpose products, featuring general purpose and application solution adhesives, that address a range of application needs from simple to complex

## Portfolio Characteristics

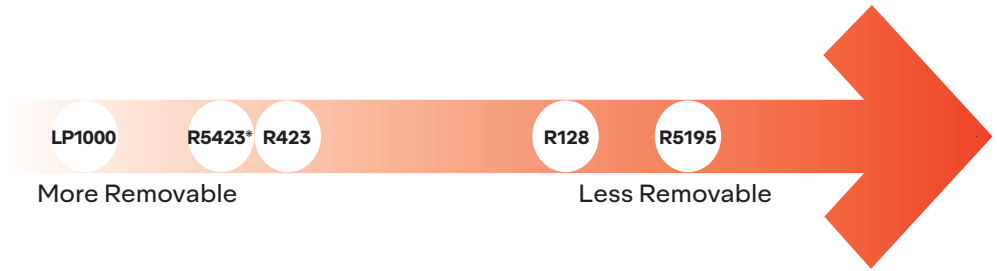
- More than 40 label constructions featuring nine adhesives that include technologies such as microsphere, solvent acrylic, emulsion acrylic and hot melt rubber
- Designed to perform in specific applications on various substrates, such as: plastic, glass, metal and paper

## Applications

- Household items
- Reclosure
- Furniture
- Consumer electronics
- Credit/Debit cards
- Newspaper and inventory management



# Paper



## Removable Adhesives for Paper Components

### Select Solutions Ultra Removable

**LP1000** Ultra removable adhesive, featuring long-term, clean removability across wide variety of substrates. It offers economical solution for various opportunities. Designed to offer smooth peel and excellent die cutting and stripping characteristics. Particularly suited for applications like: retail information labels, inventory management or work-in-progress, point of sale promotions, newspapers, promotional labels, books, housewares, credit cards or glass.

### Removable

**R423/  
R5423** Removable, low peel adhesive featuring long-term removability, and excellent die cutting and stripping characteristics. Particularly suited for wallpaper promotional labels, high gloss book covers and shelf marking. R5423 is an excellent solution for Monroney labels.

**R128** Removable rubber-based adhesive with high initial tack, internal strength and stable adhesion. R128 is recommended where clean removability is of primary importance. Adhesive can be used on a variety of substrates including glass, metal, plastic and others.

**R5195** General purpose removable adhesive featuring moderate initial tack and minimal adhesion build over time. Its consistent level of adhesion and long-term removability make it suitable for applications on substrates such as glass and plastics. Proven successful for shelf and tote marking used in logistical tracking.

# Paper

		Removable			
		LP1000	R423	R128	R5195
Adhesive Technology		Emulsion Acrylic	Emulsion Acrylic	Hot Melt Rubber	Emulsion Acrylic
Minimum Application Temperature, °F		10	10	10	40
Service Temperature Range, °F		-40 to 160	-40 to 160	-65 to 120	-40 to 160
Food Contact		Indirect	Indirect	Indirect	Indirect
Peel* (PE/Stainless)		.28/.37	.60/.52	.74/.55	.73/.91
Tack* (PE/Stainless)		.01/.42	.25/.53	1.0/1.3	1.1/1.4
Plastic	Polypropylene (PP)				
	Polyethylene - High Density (HDPE)				
	Polyethylene Terephthalate (PET)				
Glass	Polyethylene Coated				
	Window (annealed)				
	Automotive (tempered)				
Metal	Powder Coated (smooth PET)				
	Painted (alkyd enamel)				
	Stainless Steel				
Paper	Recycled Corrugated				
	Bond (uncoated)				
	Glossy (coated)				

Based on 6 week testing of practical removability rating and failure mode  
 \*Peel and tack are measured in lb./inch

- Recommended - Test in actual application
- Recommended - Tighter adhesion
- Not Recommended



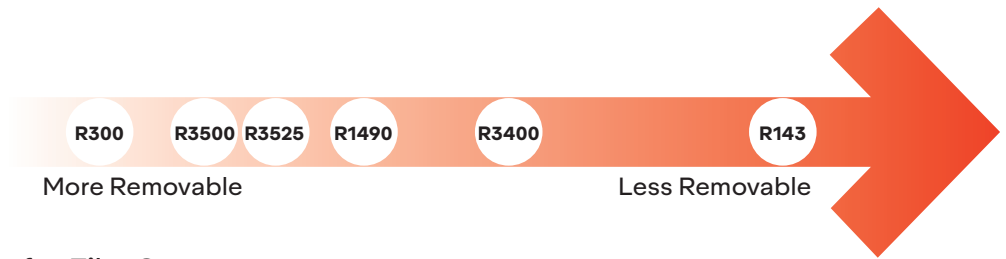
## Paper Products and Service Programs

Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
<b>LP1000</b>				
54148	Fasson® DT 200HD FSC®/LP1000/40#SCK	EXACT™/5000	PVL	Next Day
54149	Fasson® 60# Semi-Gloss /LP1000/40#SCK	EXACT™/5000	PVL	Next Day
B4027	HG+/LP1000/40#SCK	EXACT™/5000	PVL	Next Day
B7699	TT2C/LP1000/40#SCK	EXACT™/5000	PVL	Next Day
<b>R423/R5423</b>				
19714	Fasson® Semi-Gloss Elite™/R423/40#SCK	60/1668	PVL	Next Day
96546	Fasson® 60# Cast Gloss FSC®/R423/40#SCK	60/1668	PVL	Next Day
98203	Fasson® Trans-Therm® 1C/R423/40#SCK	60/1668	PVL	Next Day
18345	Fasson® Standard Laser-Rite™/Std R5423/50#MF	EXACT™/10000	PVL	Next Day
53763	Fasson® Durable Laser-Rite™ FSC®/R5423/50#MF	EXACT™/5000	PVL	Next Day
<b>R128</b>				
01991	Fasson® 50# DSX™ FSC®/R128/50#SCK	30/1500	PTC	4 Days
07607	Fasson® High Gloss Plus/R128/40#SCK	60/1550	PTC	Next Day
07719	Fasson® High Gloss Plus/R128/50#SCK	30/1550	PTC	4 Days
15931	Fasson® Semi-Gloss Elite™/R128/40#SCK	30/1500	PTC	4 Days
96088	Fasson® Trans-Therm® 1C/R128/40#SCK	30/1667	PTC	6 Days
96174	Fasson® Trans-Therm® 2C/R128/40#SCK	30/1500	PTC	4 Days
19342	Fasson® Trans-Therm® 1C FasCover™ 2/R128/40#SCK	30/1500	PTC	4 Days
13645	Fasson® FasPrism™ Iridescent/R128/40#SCK	30/1500	PTC	4 Days

Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
<b>R5195</b>				
18303	Fasson® Laser Copy™ Jet FSC®/R5195/45#LF	EXACT™/10000	PVL	Next Day
18327	Fasson® Trans-Therm®1C/R5195/40#CK	EXACT™/10000	PVL, DAL, SEA	Next Day
18328	Fasson® 60# Semi-Gloss Elite™/R5195/40#SCK	EXACT™/5000	PVL, QTN, PTC, NEE, WCT	Next Day
		EXACT™/10000	SEA	Next Day
18329	Fasson® 50# DSX™ FSC®/R5195/50#CK	EXACT™/10000	PVL	Next Day
18444	Fasson® Matte Litho FSC®/R5195/40#SCK	EXACT™/2500	PVL	Next Day
18445	Fasson® 60# Cast Gloss/R5195/40#SCK	EXACT™/10000	PVL	Next Day
18558	Fasson® DT200GP FSC®/R5195/40#CK	EXACT™/10000	PVL, MTL	Next Day
		EXACT™/15000		
18559	Fasson® 60# Archival Semi-Gloss/R5195/40#LF	78/1668 Ready Width™ 13/10000	PVL	Next Day
18685	Fasson® DT200HD Plus/R5195/40#CK	EXACT™/5000/10000	PVL	Next Day
54116	Fasson® 54# Semi-Gloss FSC®/R5195/46#LF	EXACT™/15000	NEE	Next Day

DAL=Dallas, TX WCT=West Coast PVL=Painesville, OH PTC=Peachtree City, GA  
QTN=Quakertown, PA SEA=Seattle, WA NEE=Neenah, WI

# Film



## Removable Adhesives for Film Components

### Select Solutions Ultra Removable

R300	Ultra removable clear adhesive, suitable in applications requiring long-term removability. Particularly well suited for CD/DVD security labeling, oil change labels, housewares and glass.
------	--

### Removable

R3500	Specially formulated acrylic adhesive designed for ease of removability from plastic packaging while maintaining good peel performance. Suitable for many general-purpose applications.
R3525	Specially formulated acrylic adhesive designed for ease of removability from plastic packaging while maintaining good peel performance. Suitable for many general-purpose applications.
R1490	Specially formulated low odor acrylic adhesive with clean removability properties and a smooth, low noise peel. Smooth peel from flow-wraps, olefins and other plastics. Suitable for reclosure applications.
R3400	Removable adhesive featuring moderate initial tack and minimal adhesion build over time. It offers a consistent level of adhesion and long-term removability across a variety of substrates. An excellent choice for resealable packaging and multi-use labels. Suitable for wide range of substrates and applications.
R143	Specially formulated acrylic removable adhesive with versatile performance properties. Specific applications include durables, electronics assembly labeling and reclosures.

# Film

		Removable					
		R300	R3500	R3525	R3400	R1490	R143
Adhesive Technology		Emulsion Acrylic			Solvent Acrylic		
Minimum Application Temperature, °F		45	40	40	40	50	50
Service Temperature Range, °F		-40 to 176	0 to 200	0 to 200	-40 to 176	-40 to 250	-40 to 250
Food Contact		Indirect	Indirect	Indirect	Indirect	Direct	Pending
Peel* (PE/Stainless)		0.14/0.47	0.25/0.78	0.31/0.98	0.41/0.92	0.32/0.96	0.49/1.39
Tack* (PE/Stainless)		0.44/0.71	0.56/1.12	0.70/1.40	0.72/1.27	0.56/1.49	0.99/2.20
Plastic	Polypropylene (PP)						
	Polyethylene - High Density (HDPE)						
	Polyethylene terephthalate (PET)						
Glass	Polyethylene coated						
	Window (annealed)						
	Automotive (tempered)						
Metal	Powder coated (smooth PET)						
	Painted (alkyd enamel)						
	Stainless Steel						
Paper	Recycled Corrugated						
	Bond (uncoated)						
	Glossy (coated)						

Based on 6 week testing of practical removability rating and failure mode  
 \*Peel and tack are measured in lb./inch

- Recommended - Test in actual application
- Recommended - Tighter adhesion
- Not Recommended

## Film Products and Service Programs

A list of our featured removable film constructions and service programs. Based on customer input and insight from Avery Dennison experts, the offering continues to evolve. If you are seeking a product that is not listed, please contact your sales or technical representative for information about our custom product development program—Engineered Solutions.

Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
<b>R300</b>				
75150	Fasson® 2 Mil Clear BOPP TC/R300/1 Mil PET	60/1668	PVL	Next Day
77563	Fasson® 2.6 Mil White BOPP TC/R300/40#BG	EXACT™/5000	PVL	Next Day
77652	Fasson® 2.3 Mil White BOPP TC/R143/1.2 Mil PET	54/2500	PVL	5 Days
<b>R3500</b>				
77461	Fasson® 2.3 Mil White BOPP TC/R3500/1.2 Mil PET	EXACT™/10000	NEE	Next Day
B2809	Fasson® 2 Mil Clear BOPP TC/R3500/1.2 Mil PET	EXACT™/15000	NEE	Next Day
78148	Fasson® 2 Mil Clear BOPP TC/R3500/40#SCK	EXACT™/5000	NEE	Next Day
78149	Fasson® 2.3 Mil White BOPP TC/R3500/40#SCK	EXACT™/5000	PVL	Next Day
<b>R3525</b>				
79625	Fasson® 2 Mil CL BOPP TC/R3525/1.2 Mil PET	60/1668	PVL	4 Days
<b>R1490</b>				
79008	Fasson® 2.3 Mil White BOPP TC/R1490/1.2 Mil PET	60/1668	PVL	Next Day
<b>R3400</b>				
78201	Fasson® 2 Mil Clear BOPP TC/R3400/40#BG	60/1668	PVL	Next Day
78632	Fasson® 2.3 Mil White BOPP TC/R3400/1.2 Mil PET	60/1668	PVL	Next Day
79657	Fasson® 2 Mil Met BOPP TC/R3400/1.2 Mil PET	54/4630	PVL	5 Days
78860	Fasson® 2 Mil Clear BOPP TC/R3400/1 Mil PET	60/1668	PVL	Next Day
<b>R143</b>				
75394	Fasson® PRIMAX® 350/R143/1.5 Mil PET	EXACT™/5000	PVL	Next Day
77967	Fasson® PRIMAX® 350/R143/50#SCK ABC	EXACT™/5000	PVL	Next Day
B3812	Fasson® 2 Mil Clear BOPP TC/R143/1.2 Mil PET	60/1000	PVL	Next Day
77652	Fasson® 2.3 Mil White BOPP TC/R143/1.2 Mil PET	54/2500	PVL	5 Days

PVL=Painesville, OH NEE=Neenah, WI

# Select Solutions™ Apparel Portfolio

Thermal transfer printable options for sizing strips and other pressure-sensitive graphic apparel applications

## Portfolio Characteristics

- A range of clear, white and natural-looking materials
- Brown and white liner materials in various weights and thicknesses
- Adhesives specifically designed for application to and easy removal from fabrics without residue

## Applications

- **Apparel**  
Jeans, pants, sportswear, menswear, women's apparel, children's wear, socks, shoes, sweaters and more
- **Textiles**  
Blankets and bedding



Retail and Shelf

	R5195	R120	S4900	S4600	S692N	AT20
Adhesive Technology	Emulsion Acrylic	Emulsion Acrylic	Emulsion Acrylic	Emulsion Acrylic	Emulsion Acrylic	Emulsion Acrylic
Service Temp Range	-65 to 185	-40 to 200	-40 to 200	-40 to 300	-20 to 200	-65 to 200
Minimum application temperature	40	50	25	10	23	-20
Cotton						
Denim						
Stretch Denim						
Polyester						
Rayon						
Nylon/Spandex						

Recommended - Test in actual application      Recommended - Lower Peel      Not Recommended

\*Testing is recommended for all applications as there may be variation between colors, weaves and fabric blends  
 NOTE: We do not recommend applying pressure-sensitive labels to satin, silk, suede, leather, felt, velour, corduroy or velvet materials. Adhesive testing is suggested for specific applications.

Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
18559	60# ARCHIVAL SG/R5195/40#LF	78/1668 EXACT™/10000	GFD	Next Day
B3984	2 Mil CL BOPP TC/S4900/40#SCK	EXACT™/5000	PVL	Next Day
79711	TRANSCODE WH/R120/50#BRN	60/4167	PVL	10 Days
75233	TRANSCODE WH/S4600/50#BRN	60/4167	PVL	10 Days
79712	TRANSCODE WH II/R120/50#SCK	54/4630	PVL	10 Days
74087	TRANSCODE WH II/S4900/50#SCK	60/1668	PVL	Next Day
79713	TRANSCODE CL/R120/50#BRN	60/1668	PVL	Next Day
73926	TRANSCODE CL/S4900/50#BRN	60/4167	PVL	10 Days
79150	TRANSCODE CL/S4900/40#SCK	60/4167	PVL	10 Days
74174	TRANSCODE CL II/S4900/50#SCK	60/4167	PVL	10 Days
74106	TRANSCODE CL II/S4900/50#BRN	60/4167	PVL	10 Days
79578	TRANSCODE PLUS WH/AT20/50#BRN	60/4167	PVL	10 Days
79576	TRANSCODE PLUS WH/S692n/50#BRN	60/4167	PVL	10 Days
75617	TRANSCODE PLUS WH/S4900/50#BRN	EXACT™/7500 60/1668	PVL	Next Day
79577	TRANSCODE PLUS CLEAR/AT20/50#BRN	60/4167	PVL	10 Days
79575	TRANSCODE PLUS CLEAR/S692n/50#BRN	60/10000	PVL	10 Days
75616	TRANSCODE PLUS CLEAR/S4900/50#BRN	EXACT™/7500 60/1668	PVL	Next Day

PVL=Painesville, OH GFD=Greenfield, IN

# Select Solutions™ Tag Stock Portfolio

Multipurpose for multitasking

## Portfolio Characteristics

- Consistent adherence to uneven substrates and fabrics
- Apparel friendly; removes cleanly from fabrics
- Stiffness and high internal strength for more challenging applications

## Applications

- Sock bands and garment labels
- Retail price tickets
- Information labels
- Work-in-process labels





Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
00582	8 Pt. Tag/HMR/40#SCK	30/1500	PTC	4 Days
07541	8 Pt. Tag/R195/40#SCK	60/2500	PVL	5 Days
15258	8 Pt. Tag/AT20/40#SCK	EXACT™/5000	GFD	Next Day
17375	8 Pt. Tag/AT20A/40#SCK	EXACT™/5000	GFD	Next Day
17698	8 Pt. Tag/S246/40#SCK TNR	EXACT™/5000	PTC, NEE	Next Day
54047	10 Pt. Tag FSC®/AT20A/40#SCK	EXACT™/5000	GFD	Next Day
01021	8 Pt. Dry Tag	30/1500	PTC	4 Days
53539	8 Pt. Tag/S4600/40#SCK	60/2500	PVL	4 Days

NEE=Neenah, WI PVL=Painesville, OH PTC=Peachtree City, GA GFD=Greenfield, IN

# Select Solutions™ Candle and Soap Portfolio

Withstands chemicals and wax exposure  
on candles, candle wrappers and jars,  
and soaps

## Portfolio Characteristics

- Best-in-class adhesive works beautifully on waxy surfaces; provides long-lasting, reliable adhesion even if substrate is porous
- Materials withstand continued exposure to chemicals and fluctuating temperatures
- Top coated option for HP Indigo digital press printing
- Adapt well to specialty printing techniques like foil and hot stamping, embossing and silk screening

## Applications

- Candles
- Candle wrappers and packaging
- Candle jars
- Soaps and soap packages



Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
78363	1.5 Mil Clear Print-Treated PET/S2300/1.5 Mil PET	54/4630	PVL	5 Days
78382	2 Mil White Print-Treated PET/S2300/1.5 Mil PET	54/1000	PVL	5 Days
79350	2.6 Mil White BOPP TC/S2300/1.5 Mil PET	54/1000	PVL	5 Days
77618	2 Mil MET BOPP TC/S2300/44#	60/4167	PVL	10 Days
79397	2M Clear BOPP TC/S2300/1.2 Mil PET	60/4167	PVL	10 Days
79405	Fasson® Crystal FasClear® TC/2300/1.2 Mil	60/4630	PVL	10 Days

PVL=Painesville, OH

# Select Solutions™ Holographic Portfolio

Light and reflection bring brands to life

## Portfolio Characteristics

- Thin and flexible
- Excellent dimensional stability
- Diffracts normal white light into brilliant color
- Micro-embossable with images or patterns
- Seamless holographic rainbow

## Applications

- Craft Beer / Beverage
- Home and personal care / Cosmetics
- Security labels
- Wine and spirits
- Confection / Food
- Nutraceuticals / Vitamins



	<b>Spec#</b>	<b>Product Description</b>	<b>Width/Length (In./Ft.)</b>	<b>Location</b>	<b>Lead Time</b>
<b>Holographic Films</b>	78971	2 Mil CRYSTALS PET/S692N/50#	39/4167	PVL	9 Days
	78973	2 Mil SPARKLES PET/S692N/50#	39/4167	PVL	9 Days
	78976	2 Mil POWDER PET/S692N/50#	39/4167	PVL	9 Days
	79016	2 Mil RAINBOW OPP/S692N/40#SCK	EXACT™/5000	PVL	Next Day
	79383	2 Mil RAINBOW OPP/S692N/1.2M	54/4630	PVL	10 Days
	79072	2 Mil Crystal OPP/S692n/40#BG	54/4167	PVL	10 Days
	79579	2 Mil RAINPETSMLS/S692N/50#	30/4167	PVL	10 Days
<b>Holographic Papers</b>	02391	FASPRISM IRIDESC/S246/40#SCK	EXACT™/5000	PTC	Next Day
	19866	FASPRISM IRID/AT20/44#PK	60/4167	PVL	10 Days
	54213	FASPRISM IRID/S246/1.2M	30/1668	PTC	10 Days
	10938	FASPRISM ICE/S246/40#SCK	30/1668	PTC	10 Days
	12071	FASPRISM GLITTER+ II/S246/40#SCK	30/1668	PTC	10 Days

PVL=Painesville, OH PTC=Peachtree City, GA

# Select Solutions™

## Natural Kraft Paper Portfolio

A kraft paper facestock, matched with a range of purpose-built adhesives, provides a premium, natural look for multiple applications

### Portfolio Characteristics

- Five adhesives of varying strengths
- Unbleached, uncoated kraft brown paper facestock
- 40# SCK liner
- 44# Poly coated kraft liner option

### Applications

- Spirits
- Industrial
- Packaging



Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
B5558	Natural Label/SOX3/40#SCK TNR	78/1668	PVL	Next Day
B5557	Natural Label/S246/40#SCK	30/1668 60/10000	PTC	30 Days
B5530	Natural Label/AT20N/40#SCK	60/1668	PVL	Next Day
B5550	Natural Label/S100R/44#PK	60/2500	PVL	20 Days
B6046	Natural Label/HMR/40#SCK	30/1668	PTC	25 Days
B5523	50# Natural Label/S100R/1.2M PET	60/4167	PVL	20 Days
53470	Natural Label/SOX2/40#SCK TNR	78/1668	GFD	Next Day

PTC=Peachtree City, GA PVL=Painesville, OH GFD=Greenfield, IN

# Select Solutions™ Piggyback Portfolio

Dynamic and versatile, multi-layer constructions featuring one self-adhesive label on top of another

## Portfolio Characteristics

- Available in a wide variety of materials and adhesives, including removables
- Film piggybacks offer weather resistance and conformability
- Image liner piggybacks provide a carbon copy label that can be affixed to another surface
- Single customer development available

## Applications

- Inventory management
- Promotional labels
- Work-in-process labels





Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
74796	Fasson® 2.5 Mil Matte Clear Valtuff®/S3000/3 Mil Clear Polyester/S3000/44#PK	54/2500	PVL	5 Days
78428	Fasson® 3 Mil Matte White Synthetic Paper/S4600/1.2 Mil Polyester/S4600/50#SCK	54/2500	PVL	5 Days
79436	2 Mil CL BOPP PB/S692N/1.5 PET/S692N/50#SCK	60/2500	PVL	5 Days
78253	Fasson® PRIMAX® 250/S1000/1.5 Mil Polyester/S1000/40#SCK	60/2500	PVL	5 Days
B6154	Fasson® 50# DSX™ PB/S2550/40#SCK/S2501/50#SCK	Ready Width™ 6.5/10000 Ready Width™ 9.25/10000	GFD	Next Day
B5661	Fasson® Trans-Therm® 1C/S2550/40#SCK/40#SCK	78/1668 EXACT™/5000	GFD, WCT GFD	Next Day
B5007	Fasson® 60# Semi-Gloss Elite™/S2550/40#SCK/ S2501/40#SCK	78/1668 Ready Width™ 6/5000 Ready Width™ 9.75/5000 Ready Width™ 13/5000	GFD GFD GFD GFD	Next Day
14814	Fasson® Trans-Therm® 1C/S246/40#SCK/S246/40#SCK	60/1668	WCT	Next Day
05252	Fasson® Trans-Therm® 1C /AT20/40#SCK/AT20/40#SCK	60/2500	PVL	5 Days
B5014	Fasson® 60# Semi-Gloss Elite™/S2550/40#SCK/ S2550/50#SCK	78/1668 Ready Width™ 6.5/5000	GFD PVL	Next Day
15219	Fasson® Direct-Therm 300HD/AT20/40#SCK/40#SCK	60/4167	PVL	5 Days

PVL=Painesville, OH WCT=West Coast GFD=Greenfield, IN

# Select Solutions™ Transfer Tape Portfolio

From general-purpose tapes to custom engineered materials, Avery Dennison will work with you to create valuable solutions to meet your needs

## Portfolio Characteristics

- Multiple liner and adhesive choices to create custom transfer tapes.
- 1/8" of ungummed area along each edge of the slit roll facilitates easy handling and dispensing.
- Custom pattern gum designs are required for new slit roll widths.

## Applications

- RFID application for logistics and transport
- Food and retail promotions
- Apparel Tags and Promotions



## Transfer Tape

Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
19052	FF 40#SCK/AT20/40#SCK	60/4167	PVL	5 Days
19188	FF 40#SCK/S490/40#SCK	60/1668	PVL	Next Day
98819	FF 40#SCK/S246/40#SCK	60/1668	PTC	4 Days
19511	FF 40#SCK/S246/50#SCK	60/1668	PTC	4 Days

\*Usable width is .25" less than size posted due to ungummed edges.  
PVL=Painesville, OH PTC=Peachtree City, GA DAL=Dallas, TX

# Wine and Spirits Portfolio

Wine application labeling solutions for a strong brand presence and maximum shelf appeal

## Portfolio Characteristics

- Labels that stand up to wet environments
- Variety of speciality materials such as wood veneer, leather-feel, varnished, and metal foil
- Differentiation via pressure-sensitive offerings

## Applications

- Wine
- Spirits



Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
<b>Uncoated Papers</b>				
19993	Fasson® 60# Uncoated Litho Wet-Strength FSC®/AT20N/1.2 Mil PET	EXACT™ 60/10000	PVL, WCT	Next Day
19995	Fasson® 60# Uncoated Litho Wet-Strength FSC®/S100R/1.2 Mil PET	EXACT™ 60/10000	WCT	Next Day
53330	Fasson® 60# Uncoated Litho Wet-Strength FSC®/Z3338/1.2 Mil PET	60/10000	PVL	5 Days
54104	Fasson® 60# Uncoated Litho Wet-Strength FSC®/Z1010/1.2 Mil PET	60/4167	PVL	10 Days
19639	Fasson® 60# Estate Label® No. 4 Wet-Strength FSC®/S100R/1.2 Mil PET	60/1668 EXACT™ 60/5000	PVL, SEA SEA	Next Day
19651	Fasson® 60# Estate Label® No. 4 Wet-Strength FSC®/AT20N/1.2 Mil PET	60/1668 60/1668	WCT PVL	Next Day 15 Days
54142	Fasson® 60# Estate Label® No. 4 Wet-Strength FSC®/Z1010/1.2 Mil PET	60/4167	PVL	Next Day
01533	Fasson® 60# Estate Label® No. 4 Wet-Strength FSC®/S100R/44#PK	EXACT™ 60/5000	WCT, PVL	Next Day
19650	Fasson® 60# Estate Label® No. 8 Wet-Strength FSC®/AT20N/1.2 Mil PET	EXACT™ 60/5000 EXACT™ 60/10000	WCT WCT, PVL	Next Day Next Day
15952	Fasson® 60# Estate Label® No. 8 Wet-Strength FSC®/AT20/44#PK	60/1668	PVL, WCT	Next Day
19656	Fasson® 60# Estate Label® No. 8 Wet-Strength FSC®/S100R/1.2 Mil PET	EXACT™ 60/7500 EXACT™ 60/5000 EXACT™ 60/10000	MTL WCT WCT	Next Day Next Day Next Day
02394	Fasson® 60# Estate Label® No. 8 Wet-Strength FSC®/S100R/44#PK	EXACT™ 60/5000 60/4167	WCT PVL	Next Day 5 Days
53339	Fasson® 80# Estate Label® No. 8 Wet-Strength FSC®/S100R/1.2 Mil PET	60/1668	WCT	Next Day
54141	Fasson® 60# Estate Label® No. 8 Wet-Strength FSC®/Z1010/1.2 Mil PET	60/5000	PVL	Next Day
53749	Fasson® 60# Estate Label® No. 9 Wet-Strength FSC®/S100R/1.2 Mil PET	EXACT™ 60/5000 EXACT™ 60/1668	SEA SEA	Next Day Next Day
11301	Fasson® 60# Estate Label® No. 9 Wet-Strength FSC®/S100R/44#PK	EXACT™ 60/5000	PVL, WCT	Next Day
54186	Fasson® 60# Estate Label® No. 14 FSC® 100% PCW Wet-Strength/AT20N/1.2 Mil PET	60/1668	PVL	Next Day
53957	Fasson® 60# Estate Label® No. 17 Martele Wet-Strength FSC®/S100R/1.2 Mil PET	60/1668	PVL	Next Day
53112	Fasson® 70# Bright White Felt Wet-Strength FSC®/S100RB/1.2 Mil PET	60/1668 EXACT™ 60/5000 EXACT™ 60/10000 10/5000, 12/5000	PVL PVL WCT PVL	Next Day

Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
<b>Uncoated Papers</b>				
12571	Fasson® 60# Classic® Linen Solar White Wet-Strength FSC®/S100R/44#PK	EXACT™ 60/5000 60/1668	WCT	Next Day
12623	Fasson® 60# Classic® Crest® Wet-Strength FSC®/S100R/44#PK	EXACT™ 60/5000	SEA, WCT	Next Day
19633	Fasson® 60# Classic® Linen Solar White Wet-Strength FSC®/S100R/1.2 Mil PET	EXACT™ 60/10000	WCT	Next Day
12649	Fasson® 60# Classic® Laid Solar White Wet-Strength FSC®/S100R/44#PK	EXACT™ 60/5000	WCT	Next Day
19657	Fasson® 60# Classic® Crest® Solar White Wet-Strength FSC®/S100R/1.2 Mil PET	60/1668 EXACT™ 60/5000	PVL WCT	Next Day Next Day
18513	Fasson® 60# Classic® Crest® Solar White Wet-Strength FSC®/AT20N/44#PK	60/1668	PVL	Next Day
19648	Fasson® 60# Classic® Crest® Solar White Wet-Strength FSC®/AT20N/1.2 Mil PET	EXACT™ 60/5000 EXACT™ 60/10000	WCT	Next Day
54078	Fasson® 70# Classic® Crest® Solar White Wet-Strength FSC®/S100RB/1.2 Mil PET	60/1668	WCT	1 Day
15744	Fasson® 60# Classic® Crest® Natural White Wet-Strength FSC®/S100R/44#PK	60/4167	PVL	10 Days
17499	Fasson® 60# Classic® Crest® Natural White Wet-Strength FSC®/S100R/44#PK	60/1668 EXACT™ 60/5000	WCT WCT	Next Day Next Day
53963	Fasson® 70# Classic® Felt Natural White Wet-Strength FSC®/S100RB/1.2 Mil PET	60/1668	WCT, PVL	Next Day
54160	Fasson® 60# Classic® Felt Natural White Wet-Strength FSC®/S100R/44#PK	EXACT™ 60/5000	WCT	Next Day
54167	Fasson® 60# Classic® Felt Natural White Wet-Strength FSC®/S100R/1.2 Mil PET	60/1668	WCT	Next Day
54171	Fasson® 60# Classic® Felt Natural White Wet-Strength FSC®/AT20N/1.2 Mil PET	60/1668	PVL, WCT	Next Day
19203	Fasson® 70# Eggshell Felt Wet-Strength FSC®/S100RB/44#PK	EXACT™ 60/5000	SEA, PVL, WCT	Next Day
19742	Fasson® 70# Eggshell Felt Wet-Strength FSC®/S100RB/1.2 Mil PET	EXACT™ 60/10000	WCT	Next Day
B6872	Fasson® 70# Titanium White Eggshell Wet-Strength FSC®/S100RB/1.2 MIL PET	60/1668	WCT	1 Day
53331	Fasson® 70# Bright White Felt Wet-Strength FSC®/Z3338B/1.2 Mil PET	60/1668	WCT	1 Day
19917	Fasson® 70# Bright White Felt Wet-Strength FSC®/S100RB/44#PK	EXACT™ 60/5000	SEA, PVL, WCT	Next Day
54143	Fasson® 70# Bright White Felt Wet-Strength FSC®/Z1010/1.2 Mil PET	EXACT™ 60/5000	PVL	Next Day
54189	Fasson® 60# Crush 15% Grape 40% PCW Wet-Strength FSC®/AT20N/1.2 Mil PET	60/4167	PVL	5 Days

Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
<b>Uncoated Papers</b>				
54481	60# Fasson® Crush 15% Barley 40% PCW Wet-Strength FSC®/AT20/1.2 Mil PET	60/1668	PVL	Next Day
54480	60# Fasson® Crush 15% Citrus 40% PCW Wet-Strength FSC® /AT20/1.2 Mil PET	60/1668	PVL	Next Day
B3912	60# Fasson® 25% White Hemp 75%PCW Wet-Strength FSC®/AT20/1.2 Mil PET	60/1668 12/5000	PVL	1 Day
53248	Fasson® 60# Luna Wet-Strength FSC®/S100R/1.2 Mil PET	60/1668	PVL	Next Day
53243	Fasson® 70# Royal White Wet-Strength FSC®/S100RB/1.2 Mil PET	60/1668	PVL	Next Day
53964	Fasson® 74# Global White Wet-Strength FSC®/S100RB/1.2 Mil PET	39/1668	PVL	Next Day
<b>Black Collection</b>				
54305	Fasson® Black Velvet/S100RB/1.2 Mil PET	39/1668	PVL	Next Day
16256	Fasson® 60# Black Vellum Wet-Strength FSC®/S100R/44# PK	30/4200	PVL	10 Days
53660	Fasson® 60# Black Vellum Wet-Strength FSC®/S100R/1.2 Mil PET	30/1668	PVL	Next Day
53949	Fasson® 70# Classic® Laid Epic Black Wet-Strength FSC®/S100RB/1.2 Mil PET	30/1668	PVL	Next Day
B6665	Fasson® 60# Eclipse Black 30% PCW Wet-Strength FSC® /AT20N/1.2Mil PET	60/1668/RW 12	WCT	1 Day
53962	Fasson® 60# Estate Label® No. 25 Black Wet-Strength FSC®/S100R/1.2 Mil PET	EXACT™ 60/5000 60/1668	WCT PVL	5 Days 1 Day
54479	Fasson® 70# 25% Black Cotton Feel 30% PCW Wet-Strength/S100RB/1.2 Mil PET	60/1668 12/5000	PVL	Next Day
<b>Luminous Collection</b>				
53663	Fasson® 67# Brushed Platinum Wet-Strength/AT20N/1.2 Mil PET	30/1668	WCT	Next Day
53301	Fasson® 60# Frozen Orion Diamond Wet-Strength FSC®/AT20/1.2 Mil PET	30/1668	PVL	Next Day
19923	Fasson® 60# Frozen Orion Diamond Wet-Strength FSC®/AT20/44#PK	30/1668	PVL	7 Days
53328	Fasson® 64# Sparkling Asti Wet-Strength FSC®/Z3338/1.2 Mil PET	60/1668	WCT	Next Day
54303	Fasson® 74# Snowbound White 40% PCW Wet-Strength FSC®/S100RB/1.2 Mil PET	60/10000	PVL	5 Days
53246	Fasson® 64# White Pearl Wet-Strength FSC®/S100R/1.2 Mil PET	60/1668	PVL	Next Day
16482	Fasson® 60# White Shursheen/S100R/44#PK	60/30000	PVL	28 Days

Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
<b>Sensorial Collection</b>				
53662	Fasson® 128# Birch Wood/AT20N/1.2 Mil PET	39/1668	PVL	5 Days
54305	Fasson® Black Velvet/S100RB/1.2 Mil PET	39/1668	PVL	Next Day
16912	Fasson® 70# Cambric Birch/S100RB/44#PK	30/1668	WCT	Next Day
53605	Fasson® 119# Cherry Wood/AT20N/1.2 Mil PET	39/1668	PVL	5 Days
54188	Fasson® 80# Cotton White Tree Free Wet-Strength /S100RB/1.2 Mil PET	39/1668	PVL	Next Day
53988	Fasson® 60# Dappled White Wet-Strength FSC® /S100R/1.2 Mil PET	30/1668	PVL	Next Day
54477	70# Fasson® 100% Pure Cotton Wet-Strength /S100RB/1.2 Mil PET	60/1668	PVL	Next Day
		12/5000	PVL	1 Day
54479	Fasson® 70# 25% Black Cotton Feel 30% PCW Wet-Strength FSC®/S100RB/1.2 Mil PET	60/1668	PVL	Next Day
		12/5000	PVL	1 Day
54478	70# Fasson® 25% Cotton Feel Wet-Strength /S100RB/1.2 Mil PET	60/1668	PVL	Next Day
		12/5000	PVL	1 Day
54284	Fasson® Ruby Velvet/S100RB/1.2 Mil PET	39/1668	PVL	Next Day
B4052	Fasson® 100# Silver Hammered Metal FSC®/S100RB/1.2 Mil PET	39/5000	PVL	1 Day
		13/5000		
B4053	Fasson® 100# Copper Hammered Metal FSC®/S100RB/1.2 Mil PET	39/5000	PVL	1 Day
		13/5000		
<b>Matte Litho (Coated) Papers</b>				
19801	Fasson® 60# Matte Litho WN/S100R/44#PK	60/1668	SEA	Next Day
19803	Fasson® 60# Matte Litho WN/S100R/1.2 Mil PET	EXACT™ 60/5000	SEA	Next Day
19298	Fasson® 60# Matte Litho Wet-Strength /AT20/44#PK	EXACT™ 78/5000	SEA	Next Day
<b>Glossy Papers</b>				
19525	Fasson® 70# Premium High Gloss FSC®/AT20/1.2M PET	60/1668	WCT	Next Day
B2504	Fasson® 60# Cast Gloss FSC®/AT20N/1.2 Mil PET	60/10000	PVL, WCT	1 Day
B2505	Fasson® 60# Cast Gloss FSC®/S100R/1.2 Mil PET	60/10000	PVL, MTL	1 Day
19655	Fasson® 60# Semi-Gloss Elite™ WN FSC® /AT20N/1.2 Mil PET	EXACT™ 60/10000	WCT	Next Day
		60/1668	PVL	1 Day
53363	Fasson® 60# Semi-Gloss Elite™ FSC® /S100R/1.2 Mil PET	60/1668	WCT	Next Day
53747	Fasson® 70# Premium High Gloss FSC® /S100RB/1.2M PET	60/1669	WCT	1 Day



Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
<b>Films</b>				
79113	Fasson® 2 Mil Clear BOPP TC/Z3300/1.2 Mil PET	60/4167	PVL	5 Days
79370	Fasson® 2 Mil Metallized BOPP TC/Z3300/1.2 Mil PET	60/4167	PVL	10 Days
79683	Fasson® High Performance FasClear® TC/S7000 /1.2 Mil Polyester	78/5000	WCT	1 Day
		78/10000	QTN	1 Day
79684	Fasson® High Performance PRIMAX® TC/S7000 /1.2 Mil Polyester	78/10000	QTN	1 Day
B4010	Fasson® 5 Mil White Embossible Film/AT20/1.2 Mil PET	78/5000	GFD	1 Day
		13/5000		
<b>HP Indigo Press Printable</b>				
53844	Fasson® 60# Estate Label® No. 4 Wet-Strength FSC® ITC/S100R/1.2 Mil PET	10/5000	PVL	1 Day
		12/5000		
19991	Fasson® 60# Estate Label® No. 4 Wet-Strength FSC® ITC/S100R/44#PK	13/5000	PVL	1 Day
19915	Fasson® 60# Estate Label® No. 8 Wet-Strength FSC® ITC/S100R/44#PK	12/5000	PVL	1 Day
53338	Fasson® 60# Estate Label® No. 8 Wet-Strength FSC® ITC/AT20N/1.2 Mil PET FSC	12/5000	PVL	1 Day
		10/5000		
19959	Fasson® 60# Estate Label® No. 9 Wet-Strength FSC® ITC/S100R/44#PK	10/25000	PVL	4 Days
		12/25000		
		13/25000		
53271	Fasson® 60# Classic Crest® Solar White Wet-Strength FSC® ITC/S100R/1.2 Mil PET	10/5000	PVL	4 Days
		12/5000		
		13/5000		
19962	Fasson® 60# Classic Crest® Solar White Wet-Strength FSC® ITC/S100R/44#PK	13/5000	PVL	1 Day
53102	Fasson® 60# Matte Litho Wet-Strength ITC/ AT20/44#PK	10/5000	PVL	1 Day
53127	Fasson® 70# Bright White Felt Wet-Strength FSC® ITC/S100RB/44#PK	12/5000	PVL	1 Day
		10/5000	WCT, PVL	1 Day
		13/5000	WCT, PVL	1 Day
53384	Fasson® 70# Royal White FSC® ITC/Z3338/1.2 Mil PET	12/25000	PVL	7 Days
53340	Fasson® 70# Eggshell Felt FSC® ITC/S100RB/1.2 Mil PET	13/5000	WCT, PVL	1 Day
		12/5000	WCT, PVL	1 Day

Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
<b>Laminated Foils and Metallized Papers</b>				
15789	Fasson® 70# Bright Silver Laminated Foil FSC® /S100R/44#PK	60/1668	PVL	Next Day
19902	Fasson® 70# Bright Silver Laminated Foil FSC® /AT20N/1.2 Mil PET	60/1668	WCT	1 Day
53459	Fasson® 70# Dull Silver Laminated Foil FSC® /AT20/1.2 Mil PET	60/1668 EXACT™ 60/10000	WCT	Next Day
53351	Fasson® 56# MaxFlex™ Bright Silver FSC® /S100R/44#PK	60/1668 EXACT™ 60/5000	PVL, WCT WCT	Next Day Next Day
53352	Fasson® 56# MaxFlex™ Bright Silver FSC® /AT20/40#SCK	EXACT™ 60/5000 EXACT™ 60/10000	PVL	Next Day Next Day
53380	Fasson® 56# MaxFlex™ Bright Silver FSC® /AT20/1.0 Mil PET	EXACT™ 60/10000	PVL	Next Day
53381	Fasson® 56# MaxFlex™ Bright Silver FSC® /AT20/1.2 Mil PET	EXACT™ 60/10000	PVL, WCT	Next Day
<b>Welded Papers</b>				
53325	Fasson® 60# Uncoated Litho Wet-Strength FSC® /OPP Weld/Z3338/1.2 Mil PET	60/10000	PVL	5 Days
53007	Fasson® 60# Uncoated Litho Wet-Strength FSC® /OPP Weld /AT20N/1.2 Mil PET	60/10000	WCT	1 Day
53933	Fasson® 60# Estate Label® No. 4 Wet-Strength FSC®/PET/AT20N 1.2 Mil PET	60/4167	PVL	10 Days
53953	Fasson® 60# Envi Wet-Strength 100% PCW FSC® /OPP Weld/Z3338/1.2 Mil PET	60/10000	PVL	5 Days
53696	Fasson® 60# Estate Label® No. 8 Wet-Strength FSC® Weld/OPP Weld/S100RB/1.2 Mil PET	60/10000	PVL	5 Days
53476	Fasson® 60# Estate Label® No. 8 Wet-Strength FSC®/PET Weld/AT20N/1.2 Mil PET	EXACT™ 60/10000 60/1668	WCT PVL, WCT	1 Day
53024	Fasson® 60# Estate Label® No. 8 Wet-Strength FSC®/PET Weld/S100RB/1.2 Mil PET	60/5000	WCT	1 Day
18523	Fasson® 60# Estate Label® No. 8 Wet-Strength FSC®/PET Weld/AT20N/44#PK	60/4167	PVL	10 Days

Spec#	Product Description	Width/Length (In./Ft.)	Location	Lead Time
<b>Welded Papers</b>				
19838	Fasson® 60# Estate Label® No.9 Wet-Strength FSC®/PET Weld/S100RB/44#PK	60/4167	PVL	10 Days
53817	Fasson® 60# Estate Label® No.9 Wet-Strength FSC®/PET Weld/AT20N/1.2 Mil PET	60/4167	PVL	10 Days
53898	Fasson® 60# Classic® Linen Solar White Wet-Strength FSC®/OPP Weld/AT20N/44#PK	60/10000	PVL	5 days
53942	Fasson® 60# Classic Crest® Natural White Wet-Strength FSC®/PET Weld/AT20N/1.2 Mil PET	60/4167	PVL	10 Days
53992	Fasson® 60# Classic® Laid Wet-Strength FSC®/PET/S100R/1.2 Mil PET	60/10000	PVL	28 Days
54095	Fasson® 70# Bright White Felt Wet-Strength FSC® /OPP Weld/S100RB/1.2 Mil PET	60/1668	WCT	Next Day
53232	Fasson® 70# Bright White Felt Wet-Strength FSC® /PET Weld/S100RB/44#PK	60/5000	WCT	1 Day
53945	Fasson® 70# Premium High Gloss FSC®/PET Weld /AT20N/1.2 Mil PET	60/4167	PVL	10 Days
53926	Fasson® 60# Matte Litho WN/PET Weld/AT20N/44#PK	60/4167	PVL	10 Days
53837	Fasson® 67# Brushed Platinum Wet-Strength /PET Weld /AT20N/1.2 Mil PET	30/8333	PVL	12 Days
54236	Fasson® 60# Classic Crest® Solar White FSC®/OPP /AT20/1.2 Mil PET	60/10000	PVL	5 Days
54236	Fasson® 60# Classic Crest® Solar White FSC®/OPP/ AT20/1.2 Mil PET	60/10000	PVL	5 Days
79708	Fasson® 60# Semi Gloss FSC® /OPP/AT20/1.2 Mil PET	60/10000	PVL	5 Days

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PVL=Painesville, OH PTC=Peachtree City, GA WCT=West Coast SEA=Seattle, WA  
 QTN=Quakertown, PA MTL=Montreal, QC

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