

Technical Marketing Bulletin

Fasson® Tamper-Evident Polyesters

Tamper-evident or “voidable” polyesters are designed to leave behind evidence in the form of words or distinct patterns when they are tampered with or if removed from a substrate. The most common of these leave words like “VOID”, “OPENED”, or a checkerboard pattern behind, although any number of custom designs can be made.



Tamper-evident applications should not be confused with tamper-proof applications. It can be very difficult or complicated, and therefore expensive, to make an article tamper-proof. The most cost-effective method is to make the article tamper-evident.

Tamper-evident polyesters employ a special ‘release’ coating on the backside of the film, which is covered over by a separate colored coating or metal layer. Then an aggressive pressure-sensitive adhesive is applied. The die cut label or tape can then be applied to the substrate where tamper evidence is desired. Any attempt to lift, remove, or reapply the label or tape causes the special coating to release revealing the word or pattern on both the label and the substrate. At this point, the label is ruined and can not be made to look normal again, whether reapplied to the same substrate or on another.

Applications for these products include, but are not limited to; property asset labels, product warranty seals, authentication labels, product enclosure seals, carton or bag tapes, envelope seals, door or drawer seals, calibration stickers, over the counter or ethical drug carton seals, and many other packaging applications. Testing in the application is highly recommended to insure the intended effects are achieved prior to committing to production.

As with most pressure-sensitive adhesives, these products require some residence time on the substrate in order to build up enough bond strength to activate the temper-evident features. The length of time will depend on ambient temperatures, the composition, texture, surface energy and cleanliness of the substrate. On high surface energy substrates such as clean bare smooth metals, the bond may be immediate preventing repositioning of the label.

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Permanent bonds are normally achieved with 72 hours at normal room temperatures. Legibility of the tamper evident pattern may differ depending on substrate surface energy, dwell time, exposure temperature and application conditions. Thorough testing at actual application conditions is recommended to insure success.

Standard Fasson® brand tamper-evident polyesters are available in 2 mil calipers, as opaque white, matte chrome and bright silver colors with a 3 mm checkerboard or “VOID” pattern. All are suitable for indoor and limited outdoor use. Custom tamper evident messages are also possible. Consult your Fasson sales representative to discuss your application requirements.

Standard Product Portfolio:

“ VOID “			
Spec#	Color	Adhesive	Liner
78194	Opaque White	S8015W	50# SCK
78195	Matte Chrome	S8015	50# SCK
78196	Bright Silver	S8015	50# SCK
3 mm Checkerboard			
78197	Opaque White	S8015W	50# SCK
78198	Matte Chrome	S8015	50# SCK
78199	Bright Silver	S8015	50# SCK

Warranty Statement

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