

PERMANENT LABELS



Description

Permanent Labels are a tamper evident laminate that “voids” when removed, used on cardboard boxes in the packaging industry and other similar surfaces.

Also, designed for use in the cold chain, working down below -80 degrees centigrade, application between 0 and 12 degrees C is approved, but the surface must be dry.

Shelf Life - 12 to 18 months

The Shelf life of the labels we recommend 12 months, however we have tape in the market that is 10 years old and still performing perfectly. We have never changed the raw materials so you will get a very consistent product.

For the storage of the Tamper Evident labels it is recommended that dry conditions between 10-20oC (50-68oF) kept in the box, out of direct sunlight.

Roll Data

	Metric	Imperial
Material Width	Custom	Custom
Roll Length	Custom	Custom
Core I/D	76mm	3"

Material Data

	Test Method	Metric	Imperial
Film		BOPP	BOPP
Thickness	n/a	50μ	0.00196"
Tensile strength (MD)	ASTM D 882 @ 50%/min	210 MN/m2	
Tensile strength (TD)	ASTM D 882 @ 50%/min	175 MN/m2	
Elongation at break (MD)	ASTM D 882 @ 50%/min	85%	85%
Elongation at break (TD)	ASTM D 882 @ 50%/min	105%	105%

Adhesive Data

	Formulated hot melt	Formulated hot melt
Adhesive thickness	40-60 gsm (~40-60μ)	1.57 – 2.36 thou
Softening point (Mettler drop point)	92°C	197.6°F
SAFT	59°C	138.9°F
Peel (20 min, glass)	35N / 25mm	309 inch pounds
Peel (24 hours, glass)	37N / 25mm	327 inch pounds
Tack (glass)	60N / 25mm	531
Shear (25mm x 25mm, 23°C, glass)	3 Days	3 Days (1" x1", 73.4°F, glass)
Shear (25mm x 25mm, 40°C, steel)	1.5 hours	1.5 hours (1" x1", 104°F, steel)

Note #1: Tests carried out using 50μ PET, 40gsm – tests cannot be carried out using tamper evident product as the tape is designed to “split” into 2 parts.

Note #2: The ingredients of the adhesive meet the compositional requirements of the American Food & Drug Administration regulations 21 CFR 175.105

Note #3: This product is not designed for food contact.

Note #4: Complies with ISO 17712, C-TPAT, OSHA and FDA standards, TSA -CCSP/CCSF, EU Counterfeit Medicines Directive Compliant