

V1100

TWIST LABEL

RoHS

Description

This specification is intended to outline the physical and chemical properties of this pressure sensitive self-laminating clear polymer label that can be rotated and repositioned after installation.

Material	Top coated polymer film with a pressure sensitive adhesive and is used in a self-laminating format for wire/cable marking.
Print method	Thermal transfer
Color	Clear film with colored print-on area

Physical data

Thickness	V*C - 4.5 +/- 0.5 mils (substrate and adhesive) V*T 5.50 +/- 0.5 mils (substrate and adhesive)
Service temperature range	-40°F to 150°F (-40°C to 65.6°C)
Minimum application temperature	50°F (10°C)

Properties	Performance
Peel adhesion to stainless steel	32 oz/in width minimum (PSTC-101, 15 min. dwell)
Shear adhesion	3 hours minimum (PSTC-107, Procedure A)
Tensile strength	MD 55 +/- 5.5 lbs./inch width (PSTC-131)
Elongation	MD 110% +/- 10% (PSTC-131)
UV resistance	*3000 hours no change observed (ASTM G154)
Elevated Temperature Exposure	After 8 hours at 150°F (65.5°C) there was no deterioration of the substrate

*3000 hours equates to 5 years of assimilated outdoor UV exposure.

Chemical / Solvent resistance

Chemical reagent	Visual observation	
	Substrate / Adhesive	Thermal transfer
Distilled water	No effect	No effect
Mineral spirits	No effect	No effect
ASTM #3 oil	No effect	No effect
Isopropyl alcohol	No effect	No effect

Methanol	No effect	No effect
3% Alconox detergent	No effect	No effect
10% Sodium hydroxide solution	No effect	No effect
10% Sulfuric acid solution	No effect	No effect
5% Sodium chloride solution	No effect	No effect
Freon TF	No effect	No effect
Super agitene	No effect	No effect
Jet-A fuel	No effect	No effect
Arco TruSlide 68	No effect	No effect
SAE 30 Motor oil	No effect	No effect

Storage

Store at 70°F (21°C) and 50% Relative Humidity. Should not be stored in direct sunlight, or temperatures exceeding 95°F.

Compiances

Material is RoHS compliant (European Union directive 2002/95/EC).

Disclaimer

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