

Technical Data Sheet**Laser/Inkjet Turn Tell Label**

This specification is intended to outline the physical properties of *PANDUIT*'s pressure sensitive self-laminating clear polymer label that can be rotated and repositioned after installation and include the following printable material identifiers:

Printable Material Suffixes		
X1J		

PRODUCT SPECIFICATIONS:

Description:	Material is RoHS compliant (European Union directive 2011/65/EU). Material is a top coated polymer film with a pressure sensitive adhesive. This material is used in a self-laminating format for wire/cable marking. This material is halogen free.
Print Methods:	This material is recommended for laser and inkjet printing.
Adhesive:	Acrylic based, pressure sensitive adhesive.
Standard Colors:	Clear film with white print-on area
Thickness:	3.5 +/- 0.5 mils (substrate and adhesive)
Service Temperature Range:	-65°F to 225°F (-54°C to 107°C)
Minimum Application Temperature:	50°F (10°C)
Storage Conditions:	Store at 70°F (21°C) and 50% Relative Humidity.

PROPERTIES:

Peel Adhesion to Stainless Steel:
Shear Adhesion:
Tensile Strength:

Elongation:

Tack:

Elevated Temperature Exposure:

UV Resistance:

PERFORMANCE:

35 oz/in width (PSTC-101, 15 min. dwell)
24+ hours (PSTC-107, Procedure A)
MD: 56.0 +/- 5.6 lbs./inch width minimum (PSTC-131)

MD: 160% minimum (PSCT-131)

470 g/cm² (ASTM D-2979, 1 sec dwell)

After 8 hours at 275°F (135°C) there was no deterioration of the substrate.

*3000 hours no change observed (ASTM G154)

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

Technical Data Sheet**CHEMICAL/SOLVENT RESISTANCE:**

Samples were printed on laser and inkjet printers. These samples were wrapped around a 1/12" OD wire in a self-laminating format. Test was conducted at room temperature after 24 hour dwell. The samples were immersed in the specified chemical reagents for 5 immersions using the following cycle: a 10 minute immersion time followed by a 30 minute recovery time.

Chemical Reagent	Visual Observation		
	Substrate / Adhesive	Print	
		Laser	Inkjet
Distilled Water	No effect	No effect	No effect
Mineral Spirits	No effect	No effect	No effect
ASTM #3 Oil	No effect	No effect	No effect
Isopropyl Alcohol	No effect	No effect	No effect
Methanol	No effect	No effect	No effect
3% Alconox Detergent	No effect	No effect	No effect
10% Sodium Hydroxide Solution	No effect	No effect	No effect
10% Sulfuric Acid Solution	No effect	No effect	No effect
5% Sodium Chloride Solution	No effect	No effect	No effect
Freon TF	No effect	No effect	No effect
Super Agitene	No effect	No effect	No effect
Jet-A Fuel	No effect	No effect	No effect
SAE 30 Motor Oil	No effect	No effect	No effect
Methyl Ethyl Ketone	No effect	No effect	No effect

PSTC: PRESSURE SENSITIVE TAPE COUNCIL (U.S.A)**ASTM: AMERICAN SOCIETY FOR TESTING AND MATERIALS (U.S.A)****LIMITED WARRANTY**

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