

**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/cm<sup>2</sup> (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 Legend	
		Laser	Inkjet
Distilled Water	No effect	No effect	No effect
Mineral Spirits	Slight Adhesive bleed	No effect	No effect
Toluene	Adhesive bleed	No effect	No effect
Isopropyl Alcohol	Adhesive bleed	No effect	No effect
Methanol	Adhesive bleed	No effect	No effect
Acetone	Adhesive bleed	No effect	No effect
Methyl Ethyl Ketone	Adhesive bleed	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
10% Nitric Acid	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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