

Technical Data Sheet**Turn Tell Label**

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

| Part Number Prefixes | | |
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| Printable Material Suffixes | | |
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| V1M | | |
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PRODUCT SPECIFICATIONS:

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| Description: | Material is RoHS compliant (European Union directive 2002/95/EC). Material is a top coated polymer film with a pressure sensitive adhesive and is used in a self-laminating format for wire/cable marking. |
| Print Methods: | This material is recommended for thermal transfer printing. |
| Adhesive: | Acrylic based, pressure sensitive adhesive. |
| Standard Colors: | Clear film with white print-on area |
| Thickness: | 4.5 +/- 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) |
| Storage Conditions: | Store at 70°F (21°C) and 50% Relative Humidity. These cassettes should not be stored in direct sunlight, or temperatures exceeding 95°F. |

PROPERTIES:**PERFORMANCE:**

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|-----------------------------------|---|
| 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.

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

Samples were thermal transfer printed on MP100/MP300 printers. These samples were wrapped around a 1/12" OD wire in 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 | Thermal Transfer Printed Legend |
| 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 |

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