

Technical Data Sheet**Preprinted Laminated Polyester Film**

This specification is intended to outline the physical and chemical properties of *PANDUIT*'s pressure sensitive preprinted RoHS compliant laminated polyester material and include the following part numbers and printable material identifiers:

| Part Number Prefixes |
|----------------------|
| PLD-* |
| PESS |
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PRODUCT SPECIFICATIONS:

| | |
|----------------------------------|---|
| Description: | Material is RoHS compliant (European Union directive 2002/95/EC). GMYOL consists of a 2.0 mil polyester based polyester film with a 2.0 clear polyester over-laminate or a 1.5 mil clear polyester over-laminate. |
| Print Methods: | This material is preprinted. |
| Adhesive: | Acrylic based, pressure sensitive permanent adhesive. |
| Standard Colors: | White and Yellow |
| Thickness: | 4.7 +/- 0.7 mils (total laminated construction) depending on the choice of the over-laminate |
| Service Temperature Range: | -40°F to 275°F (-40°C to 135°C) |
| Minimum Application Temperature: | 35°F (2°C) |
| Storage Conditions: | Store at 70°F (21°C) and 50% Relative Humidity. |

PROPERTIES:**PERFORMANCE:**

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|-----------------------------------|---|
| Peel Adhesion to Stainless Steel: | 60 oz/in width minimum (PSTC-101, 15 min. dwell) |
| Shear Adhesion: | 24+ hours (PSTC-107, Procedure A) |
| Tensile Strength: | Depending on the type of over-laminate MD 53 +/- 5.3 lbs./inch width (PSTC-131) TD 74 +/- 7.4 lbs./inch width (PSTC-131) Or MD 52 +/- 5.2 lbs/inch width (PSTC-131) TD 53 +/- 5.3 lbs/inch width (PSTC-131) |
| Elongation: | MD 130% +/- 15% (PSTC-131) TD 115% +/- 15% (PSTC-131) Or MD 170% +/- 15% (PSTC-131) TD 100% +/- 15% (PSTC-131) |

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Elevated Temperature Exposure: After 8 hours at 150°F (65.5°C) there was no deterioration of the substrate

Tack: 370 g/cm² (ASTM D-2979-88)

UV Resistance: *3000 hours no change observed (ASTM G154)

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

CHEMICAL/SOLVENT RESISTANCE:

Preprinted samples were applied to stainless steel panels and conditioned for 24 hours at room temperature before testing. The samples were then immersed in the specified reagents for five immersions using the following cycle: a 10 minute immersion time followed by a 30 minute recovery time. After the fifth immersion, the samples were rubbed 10 times with a lint free cotton gauze.

| Chemical Reagent | Visual Observation | |
|-----------------------|----------------------|----------------------------|
| | Substrate / Adhesive | Pre-Printed Printed Legend |
| Distilled Water | No effect | No effect |
| Mineral Spirits | No effect | No effect |
| Toluene | No effect | No effect |
| Isopropyl Alcohol | No effect | No effect |
| Methanol | No effect | No effect |
| Acetone | Delamination of film | Loss of print density |
| Methyl Ethyl Ketone | Delamination of film | Loss of print density |
| 1,1,1 Trichloroethane | Delamination of film | Loss of print density |
| 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 |

APPROVALS:

UL Recognized: UL969

File Number: MH 14576 (For PLD* parts only)

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