

Technical Data Sheet

Non Adhesive Polyester Film

This specification is intended to outline the physical and chemical properties of *PANDUIT*'s non adhesive white polyester material and include the following part numbers and printable material identifiers:

Part Number Prefixes		
NWL*		
TNS-*NY		
UILJ*		

Printable Material Suffixes		
Y1J		
Y16		

PRODUCT SPECIFICATIONS:

Description:	Material is RoHS compliant (European Union directive 2002/95/EC). Material is a top coated polyester/paper lamination. This material is laminated by means of a dry laminating adhesive to the pressure sensitive composite material.
Print Methods:	This material is recommended for laser, inkjet and thermal transfer printing.
Standard Colors:	White
Thickness:	5.0 +/- 0.5 mils (total composite label)
Service Temperature Range:	-10°F to 150°F (-23°C to 65°C)
Minimum Application Temperature:	40°F(4.4°C)
Storage Conditions:	Store at 70°F (21°C) and 50% Relative Humidity.

PROPERTIES:**PERFORMANCE:**

Tensile Strength:	MD: 84 +/- 8.4 lbs./inch width (PSTC-131)
Elongation:	MD: 60% +/- 10% (PSTC-131)
UV Resistance:	*3000 hours no change observed (ASTM G154)
Elevated Temperature Exposure:	After 8 hours at 185°F (85°C) there was no deterioration of the substrate

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

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Samples were laser printed, ink jet printed and also thermal transfer printed with Panduit LS6-RWBLK ribbon. Test was conducted at room temperature. 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. Visual observations were noted for any smear or loss of legibility.

Chemical Reagent	Substrate/Adhesive	Printed Legend		
		Laser	Thermal Transfer	Ink Jet
Distilled Water	No effect	No effect	No effect	No effect
Mineral Spirits	No effect	No effect	No effect	No effect
ASTM #3 Oil	No effect	No effect	No effect	No effect
Isopropyl alcohol	No effect	No effect	No effect	No effect
Methanol	No effect	No effect	No effect	No effect
3% Alconox Detergent	No effect	No effect	No effect	No effect
10% Sodium Hydroxide Solution	No effect	No effect	No effect	No effect
10% Sulfuric Acid Solution	No effect	No effect	No effect	No effect
5% Sodium Chloride Solution	No effect	No effect	No effect	No effect
Super Agitene	No effect	No effect	No effect	No effect
Jet A Fuel	No effect	No effect	Slight Smear	No effect
SAE 30 Motor Oil	No effect	No effect	Slight Smear	No effect

PSTC: Pressure Sensitive Tape Council
ASTM: American Society for Testing and Materials (U.S.A.)

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