

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:

Tensile Strength:
Elongation:
UV Resistance:
Elevated Temperature Exposure:

PERFORMANCE:

MD: 84 +/- 8.4 lbs./inch width (PSTC-131)
MD: 60% +/- 10% (PSTC-131)
*3000 hours no change observed (ASTM G154)
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	Visual Observation		
	Laser Printed Legend	Thermal Transfer Printed Legend	Ink Jet Printed Legend
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	Loss of legibility
3% Alconox Detergent	No effect	No effect	Loss of legibility
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	Slight Smear	No effect
Arco Truslide 68	No effect	Slight Smear	No effect
SAE 30 Motor Oil	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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