18900 Panduit Drive
Tinley Park, IL 60487
Customer Service: 800-777-3300

TDS: GMY16
Effective Date: 7MAY2024
Revision: 0

Technical Data Sheet

High Tack Thermal Transfer Printable Polyester Film

This specification is intended to outline the physical and chemical properties of *PANDUIT*'s pressure sensitive high tack thermal transfer printable polyester material and include the following printable material identifiers:

Printable Material Suffixes			
AJT-A			

PRODUCT SPECIFICATIONS:

Description:	Material is RoHS compliant. Material is a top coated polyester film with apressure sensitive adhesive.
Print Methods:	This material is recommended for thermal transfer printing.
Adhesive:	Hybrid acrylic/rubber based, pressure sensitive high tack permanent adhesive
Standard Colors:	White
Thickness:	3.1 +/- 0.4 mils (substrate and adhesive)
Service Temperature Range:	-40F to 302F (-40C to 150C)
Minimum Application Temperature:	32F (0C)
Storage Conditions:	Store at 70°F (21°C) and 50% Relative Humidity.

PROPERTIES:	PERFORMANCE:
Peel Adhesion to Stainless Steel:	70 oz/in width minimum (PSTC-101, 15 min. dwell)
Shear Adhesion:	24 hours minimum (PSTC-107, modified Procedure A)
Tensile Strength:	MD 35 lbs./inch width +/- 15% (PSTC 131)
Elongation:	MD 100% minimum (PSTC-131)
UV Resistance:	2000 hours showed minor yellowing of the material but no change to print (ASTM G154). 2000 hours equates to 3.4 years of assimilated outdoor UV exposure. The test is continuing.
Elevated Temperature Exposure:	After 8 hours at 150°F (65.5°C) there was no deterioration of the substrate.

CHEMICAL/SOLVENT RESISTANCE:

The testing was conducted at room temperature. Samples were orange/red (flexo) preprinted and thermal transfer printed with Panduit RMR*BL/RMER*BL ribbon on the Panduit TDP43MY/TDP43ME printer. Separate sets were conditioned for 24 hours before being immersed in the following solvents for a period of 1 hour and 24 hours. After the samples were removed from the immersed solvents, they were rubbed 10 times with lint free gauze. Visual observations were noted for any smear or loss of legibility.

1 Hour Immersion

Chemical/Solvent	**Visual Observation**	
	Ribbon only	
Isopropyl Alcohol 40%	No change	
Jet Fuel	No change	
Gasoline	No change	
Methyl Ethyl Ketone	Loss in print density	
409 Cleaner	No change	
Alpha Flux 200L	No change	

24 Hours Immersion

Chemical/Solvent	**Visual Observation**	
	Ribbon only	
Isopropyl Alcohol 40%	No change	
Water 150°F	No change	
Salt Water	No change	
SAE 30 Motor Oil	No change	
Hydraulic Fluid	No change	
Skydrol	Loss in print legibility	
Methanol/Water	No change	
Ethylene Glycol	No change	
ASTM #3 Oil	No change	

Reference

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

LIMITED WARRANTY

All *PANDUIT* Identification Solution Products (except for Software programs) are warranted to be free from defects in material and workmanship at the time of sale but our obligation under this warranty is limited to replacement of the product proved to be defective within 6 months from the date of sale, or in the case of printers, within 90 days from the date of sale. This warranty is void if the products or printers are modified, altered or misused in any way. Use of *PANDUIT* printers with any product other than the specified *PANDUIT* products for which the printer was designed constitutes misuse. Before using, the user shall determine the suitability of the product for its intended use and user assumes all risk and liability whatsoever in connection therewith. The foregoing may not be altered except by an agreement signed by officers or seller and manufacturer.

NEITHER *PANDUIT* OR SELLER SHALL BE LIABLE FOR ANY OTHER INJURY, LOSS OR DAMAGE, WHETHER DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF, OR THE INABILITY TO USE THE PRODUCT OR THE PRINTER.

THIS WARRANTY IS MADE IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS OF PARTICULAR USE ARE SPECIFICALLY EXCLUDED.

The information contained in this literature is based on our experience to date and is believed to be reliable. It is intended as a guide or use by person having technical skill at their own discretion and risk. We do not guarantee favorable results or assume any liability in connection withits use. Dimensions contained herein are for reference purposes only. This publication is not to be taken as a license to operate under, or a recommendation to infringe any existing patents. This supersedes and voids all previous literature, etc.