

## Self-Laminating Translucent Vinyl Film

This specification is intended to outline the physical properties of *PANDUIT*'s pressure sensitive self-laminating translucent vinyl material and include the following part numbers and printable material identifiers:

Part Number Prefixes		
PLMA*-Y	PSM*-Y	PDL*
PSCB*-Y	PSWM*-Y	TWS
PSCC*-Y	PSWMH*-Y	PLD-1,2
JSL*	LWS	PLDR-1,2

Printable Material Suffixes		
VA3Y	VARY	
VA6Y		
VADY		
VAFY		

### PRODUCT SPECIFICATIONS:

Description:	Material is RoHS compliant (European Union directive 2002/95/EC). Material is a top coated vinyl film with a pressure sensitive adhesive. This material is used in a self-laminating format for wire/cable marking.
Print Methods:	This material is recommended for dot matrix, ink jet and thermal transfer printing.
Adhesive:	Acrylic based, pressure sensitive high tack adhesive.
Standard Colors:	Translucent film with colored print-on area
Thickness:	4.25 +/- 0.45 mils (substrate and adhesive)
Service Temperature Range:	-40°F to 150°F (-40°C to 66°C)
Minimum Application Temperature:	40°F (4.4°C)
Storage Conditions:	Store at 70°F (21°C) and 50% Relative Humidity.

### PROPERTIES:

### PERFORMANCE:

Peel Adhesion to Stainless Steel:	32 oz/in width (PSTC-101, 15 min. dwell) 45 oz/in width (PSTC-101, 24 hrs dwell)
Shear Adhesion:	24+ hours (PSTC-107, Procedure A)
Tensile Strength:	MD 12.2 +/- 1.5 lbs./inch width minimum (PSTC-131) 3200 PSI minimum (ASTM D882)
Elongation:	MD 150% minimum (PSTC-131) 150% minimum (ASTM D882)
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
Dielectric Strength:	1,900 Volts/Mil (ASTM D-149-97, Method A)

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

**CHEMICAL/SOLVENT RESISTANCE:**

Samples were preprinted, dot matrix printed with Panduit PDLR ribbon, thermal transfer printed with RMH\*BL/RMEH\*BL ribbon and inkjet printed. 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	Pre-Printed Printed Legend	Dot Matrix Printed Legend	Thermal Transfer Printed Legend	Ink Jet Printed Legend
Distilled Water	No effect	No effect	No effect	No effect	No effect
Mineral Spirits	Slight adhesive bleed	No effect	No effect	No effect	No effect
ASTM #3 Oil	Slight adhesive bleed	No effect	No effect	No effect	No effect
Isopropyl Alcohol	No effect	No effect	No effect	No effect	No effect
Methanol	No effect	No effect	No effect	No effect	No effect
3% Alconox Detergent	Slight adhesive bleed	No effect	No effect	No effect	No effect
10% Sodium Hydroxide Solution	No effect	No effect	No effect	No effect	No effect
10% Sulfuric Acid Solution	No effect	No effect	No effect	No effect	No effect
5% Sodium Chloride Solution	No effect	No effect	No effect	No effect	No effect
Freon TF	No effect	No effect	No effect	No effect	No effect
Super Agitene	Slight adhesive bleed	No effect	No effect	No effect	No effect
Jet-A Fuel	Slight adhesive bleed	No effect	No effect	No effect	No effect
Arco TruSlide 68	No effect	No effect	No effect	No effect	No effect
SAE 30 Motor Oil	No effect	No effect	No effect	No effect	No effect

**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 persons having technical skill at their own discretion and risk. We do not guarantee favorable results or assume any liability in connection with its 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Panduit:

[S100X150VADY](#) [S100X225VADY](#) [S100X400VADY](#) [S200X225VADY](#) [S200X400VADY](#) [S200X650VADY](#)  
[S100X650VADY](#) [S050X150VADY](#) [S050X075VADY](#) [S050X125VADY](#) [S100X125VADY](#) [S200X150VADY](#)  
[S100X075VADY](#)