



**THE DATASHEET OF
S100X225VDTY**



Technical Data Sheet**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		
TTSL		TTSL*VC3-*-Y

Printable Material Suffixes		
VA1Y		
V*TY		
V*C		
VAA		

PRODUCT SPECIFICATIONS:

Description:	Material is RoHS compliant (European Union directive 2002/95/EC). Material is a self-extinguishing, 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 thermal transfer printing.
Adhesive:	Acrylic based, pressure sensitive 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:

Peel Adhesion to Stainless Steel:

PERFORMANCE: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 3200 psi minimum (ASTM D882)
12.2 lbs./inch width minimum (PSTC-131)

Elongation:

MD 150% minimum (ASTM D882)
150% minimum (PSCT-131)

Elevated Temperature Exposure:

After 8 hours at 150°F (65.5°C) there was no deterioration of the Substrate.

Dielectric Strength:

1900 Volts/MIL (ASTM D-149-97, Method A)

Flammability:

Average burn time less than 10 seconds (ASTM D1000).

UV Resistance:

*3000 hours no change observed (ASTM G154)

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

Technical Data Sheet**CHEMICAL/SOLVENT RESISTANCE:**

Samples were thermal transfer printed with RMR*BL/RMER*BL and RMH*BL/RMEH*BL ribbon. 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	Thermal Transfer Printed Legend
Distilled Water	No effect	No effect
Mineral Spirits	No effect	No effect
ASTM #3 Oil	Slight adhesive bleed	No effect
Isopropyl Alcohol	No effect	No effect
Methanol	No effect	No effect
3% Alconox Detergent	No effect	No effect
10% Sodium Hydroxide Solution	No effect	No effect
10% Sulfuric Acid Solution	No effect	No effect
5% Sodium Chloride Solution	No effect	No effect
Freon TF	No effect	No effect
Super Agitene	No effect	No effect
Jet-A Fuel	Slight adhesive bleed	No effect
Arco TruSlide 68	No effect	No effect
SAE 30 Motor Oil	No effect	No effect
Ethanol	No effect	No effect
Bleach	No effect	No effect
Gasoline	Adhesive bleed	No effect
Ethylene Glycol	No effect	No effect

Approvals

UL recognized: UL969 File Number: MH14979

CUL recognized: C22.2 No. 0.15-01 File Number: MH14979

UL recognized: UL2238 File Number: MH62615

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.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View S100X225VDTY on WIN SOURCE](#)

 [Panduit Corp](#) Information

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management