

Technical Data Sheet**Preprinted Laminated Vinyl Film**

This specification is intended to outline the physical and chemical properties of *PANDUIT*'s pressure sensitive preprinted RoHS compliant laminated vinyl material and include the following part numbers and printable material identifiers:

Part Number Prefixes
PESW*Y
PESG
PESF
PESH
PESV
WL36Y
WL35Y

PRODUCT SPECIFICATIONS:

Description:	Material is RoHS compliant (European Union directive 2002/95/EC). GMV10L consist of a 1.5 mil overlaminant laminated to a 4.0 mil vinyl film.
Print Methods:	This material is preprinted.
Adhesive:	Acrylic based, pressure sensitive permanent adhesive.
Standard Colors:	White, Yellow, Orange, Red, Blue and Green
Thickness:	5.5 +/- 0.5 mils (total laminated construction)
Service Temperature Range:	-40°F to 176°F (-40°C to 80°C)
Minimum Application Temperature:	50°F (10°C)
Storage Conditions:	Store at 70°F (21°C) and 50% Relative Humidity.

PROPERTIES:**PERFORMANCE:**

Peel Adhesion to Stainless Steel:	40 oz/in width minimum (PSTC-101, 15 min. dwell)
Shear Adhesion:	24+ hours (PSTC-107, Procedure A)
Tensile Strength:	MD 48 +/- 4.8 lbs./inch width (PSTC-131) TD 37 +/- 3.7 lbs./inch width (PSTC-131)
Elongation:	MD 90% +/- 10% (PSTC-131) TD 145% +/- 10% (PSTC-131)
Elevated Temperature Exposure:	After 8 hours at 150°F (65.5°C) there was no deterioration of the substrate
Tack:	425 g/cm ² (ASTM D-2979-71, 1 sec dwell)
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:**

Preprinted samples were applied to stainless steel panels and conditioned for 24 hours at room temperature before testing. The samples were then immersed in the specified reagents for five immersions using the following cycle: a 10 minute immersion time followed by a 30 minute recovery time. After the fifth immersion, the samples were rubbed 10 times with a lint free cotton gauze.

Chemical Reagent	Visual Observation	
	Substrate / Adhesive	Pre-Printed Printed Legend
Distilled Water	No effect	No effect
Mineral Spirits	No effect	No effect
Toluene	Delamination of film	Loss of print legibility
Isopropyl Alcohol	No effect	No effect
Methanol	No effect	No effect
Acetone	Delamination of film	Loss of print density
Methyl Ethyl Ketone	Delamination of film	Loss of print density
1,1,1 Trichloroethane	Delamination of film	Loss of print density
Freon TF	No effect	No effect
Super Agitene	No effect	No effect
Jet-A Fuel	No effect	No effect
Arco TruSlide 68	No effect	No effect
SAE 30 Motor Oil	No effect	No effect

APPROVALS:

UL Recognized: UL969

File Number: MH 14576 (only PESW*Y, WL35Y, WL36Y)

CUL Recognized: C22.2 No. 0.15-01

File Number: MH 14576 (only PESW*Y, WL35Y, WL36Y)

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