



Technical Data Sheet

Preprinted Vinyl Film

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

Part Number Prefixes
PCV*Y
PCVB*Y
PVS*Y

PRODUCT SPECIFICATIONS:

Description:	Material is RoHS compliant (European Union directive 2002/95/EC).Material is a two year vinyl film with a pressure sensitive adhesive. This material is intended for interior markings only.
Print Methods:	This material is preprinted.
Adhesive:	Acrylic based, pressure sensitive permanent adhesive.
Standard Colors:	White, Yellow, Orange, Red, Blue and Green
Thickness:	4.5 +/- 0.5 mils (substrate and adhesive)
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-1, 15 min. dwell)
Shear Adhesion:	24+ hours (PSTC-7, Procedure A)
Tensile Strength:	MD 15 +/- 1.5 lbs./inch width (PSTC-31) TD 13 +/- 1.3 lbs./inch width (PSTC-31)
Elongation:	MD 90% +/- 10% (PSTC-31) TD 195% +/- 10% (PSTC-31)
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)



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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 was 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	Material disintegrated	No effect
Isopropyl Alcohol	No effect	No effect
Methanol	No effect	No effect
Acetone	Material disintegrated	No effect
Methyl Ethyl Ketone	Material disintegrated	No effect
1,1,1 Trichloroethane	Loss of adhesive	No effect
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

ASTM: American Society for Testing and Materials (U.S.A.)

PSTC: Pressure Sensitive Tape Council (U.S.A.)

Approvals

UL Recognized: UL969

CSA Accepted: C22.2 No. 0.15-01

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LIMITED WARRANTY

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