



Technical Data Sheet

Vinyl Coated Cloth Tape – GMC

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

Part Number Prefixes		
PDL*	PCL*	PESC-*-*
PCMH-*	PARW125-*	
PCM-*	PCWL-*	

Printable Material Suffixes	
CBD	

PRODUCT SPECIFICATIONS:

Description:	Material is RoHS compliant (European Union directive 2002/95/EC). Material is a coated vinyl cloth with a rubber –based pressure sensitive adhesive. This material is intended for interior and exterior markings and used in flat applications and in a wrap format for wire/cable marking.
Print Methods:	This material is preprinted and also recommended for dot matrix printing.
Adhesive:	Repositionable rubber based, pressure sensitive adhesive
Standard Colors:	White, yellow
Thickness:	8.0 +/- 0.7 mils (substrate and adhesive)
Service Temperature Range:	50°F to 170°F (10°C to 77°C)
Minimum Application Temperature:	60°F (16°C)
Storage Conditions:	Store at 70°F (21°C) and 50% Relative Humidity.

PROPERTIES:

PERFORMANCE:

Peel Adhesion to Stainless Steel:	28 oz/in width (PSTC-1, 15 min. dwell)
Shear Adhesion:	3 hours (PSTC-7, modified procedure A)
Tensile Strength:	MD 45 +/- 4.5 lbs./inch width (PSTC-31)
UV Resistance:	3000 hours no change observed (ASTM G26)
Elevated Temperature Exposure:	After 8 hours at 150°F (65.5°C) there was no deterioration of the substrate



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CHEMICAL/SOLVENT RESISTANCE:

Samples were preprinted and dot matrix printed with Panduit PDLR ribbon. These samples were laminated to flat steel panels and 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. After the final immersion the flat samples were rubbed 10 times with a lint free gauze.

Chemical Reagent	Visual Observation		
	Substrate / Adhesive	Pre-Printed Printed Legend	Dot Matrix Printed Legend
Distilled Water	No effect	No effect	No effect
Mineral Spirits	Slight adhesive bleed	No effect	No effect
Toluene	Slight adhesive bleed, top coating removed	Print not legible	Print not legible
Isopropyl Alcohol	No effect	No effect	No effect
Methanol	No effect	No effect	No effect
Acetone	Slight adhesive bleed	No effect	Loss of print density
Methyl Ethyl Ketone	Slight adhesive bleed, top coating removed	Print not legible	Print not legible
1,1,1 Trichloroethane	Slight adhesive bleed, top coating removed	Print not legible	Print not legible
Freon TF	No effect	No effect	No effect
Super Agitene	No effect	No effect	No effect
Jet-A Fuel	No effect	No effect	No effect
Arco TruSlide 68	No effect	No effect	No effect
SAE 30 Motor Oil	No effect	No effect	No effect

APPROVALS

UL Recognized: UL 969

File Number: MH 14576, MH 14979

CUL Recognized: C22.2 No. 0.15-01

File Number: MH 14979

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