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Technical Data Sheet

Thermal Transfer Printable Vinyl Coated Cloth Tape – GMC4

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		
TTC*C	PCMB-*	
TW-*C	PSL-CBWL	
TC-*C		

Printable Material Suffixes	
CBC	
CBT	
CB6	

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 thermal transfer printing.
Adhesive:	Repositionable rubber based, pressure sensitive high tack adhesive.
Standard Colors:	White
Thickness:	11.8 +/- 1.6 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. For cassette products do not exceed 95°F.

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:	28 lbs./inch minimum (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

CHEMICAL/SOLVENT RESISTANCE:

Samples were thermal transfer printed with Panduit RMH4BL ribbon. These samples were laminated to flat steel panels and also wrapped around a 1/12" OD wire. 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	Thermal Transfer Printed Legend
Distilled Water	No effect	No effect
Mineral Spirits	Slight adhesive bleed	No effect
ASTM #3 Oil	No effect	No effect
Isopropyl Alcohol	Significant adhesive bleed	Loss of print legibility
Methanol	No effect	Loss of print legibility
3% Alconox Detergent	No effect	No effect
10% Sodium Hydroxide Solution	No effect	Loss of print legibility
10% Sulfuric Acid Solution	No effect	No effect
5% Sodium Chloride Solution	No effect	No effect
Freon TF	Significant adhesive bleed	No effect
Super Agitene	Slight adhesive bleed	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

APPROVALS

UL Recognized: UL 969 File Number: MH 14979, MH 14576
CSA Accepted: C22.2 No 0.15-01 File Number: MH 14576

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