



TECHNICAL DATA SHEET

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PVF – Self-laminating Labels

DESCRIPTION

Tyco “PVF” is a thermal transfer printable, translucent polyvinylfluoride Film with a permanent acrylic adhesive, designed for wire and cable marking applications. That require the ‘self-extinguishing’ properties of PVF. Supplied with a white printable area, which is over-laminated upon application with the translucent portion of the label. This ‘self-laminating’ feature protects the printed area from exposure to oil, solvents, water and abrasion.

The performance is based on the product used as described above. Product used in the ‘flagged’ format may not meet all of the requirements show below.

APPLICATION/USE

Ideal for wire & cable identification, including flat ribbon cables
Designed for applications that require the ‘self-extinguishing’ and low-flammability properties of PVF.

RECOMMENDED RIBBONS

Thermal Transfer T300 series with Tyco “1330-3300” series ribbon.

PHYSICAL PROPERTIES	VALUE	TEST METHOD
Thickness	Typical values: Facestock: 0.0254mm (0.001 in) Adhesive: 0.0254mm (0.001 in) Liner: 0.1143mm (0.0045 in)	
Adhesion <ul style="list-style-type: none">Stainless steelAluminiumFibre glassPhenolic	Typical peel force after 72hr dwell >400N/m (36oz/inch) >400N/m (36oz/inch) >400N/m (36oz/inch) >300N/m (27oz/inch)	All samples tested according to PSTC-1 (180° peel direction) after 72 hour dwell time.





PERFORMANCE PROPERTIES	VALUE	TEST METHOD
Flammability	Self-extinguishing (wrapped format on a mandrel)	Tested in accordance with BMS 1347 J
Dielectric strength	3KV	ASTM D1000
Resistance to Solvent	Excellent print permanence when tested in oils, solvents and fluids.	Tested in accordance to BMS 13-47 and MIL-M-87958

ENVIRONMENTAL AND STORAGE PROPERTIES	VALUE	TEST METHOD
Service Temperature	-40°C to +107°C (-40°F to 225°F)	Based on ageing over 28 days at stated temperature without unraveling and deterioration of adhesive peel strength.
Minimum Application Temperature	10°C (50°F)	Based on adhesive peel strength measured at room temperature after installation at the temperature stated.
Shelf-life:	3 years when stored at +21°C (+70°F) at 50% RH.	Tested to BMS 13-47 after accelerated aging for 144 hours in accordance with ASTM D3611.

Product is compliant to EU RoHS Directive 2002/95/EC. This compliance information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information provided by our suppliers. This information is subject to change.

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