

PRODUCT DATASHEET

DERAY - IB

coloured

Heat shrinkable sleeve – radiation cross-linked

Technical Data		Current Values	Test Methods
	Material Surface Specific Gravity Longitudinal Shrinkage Shrink Ratio	PE, modified, lead and cadmium free matt 1.10 g/cm ³ max. -10% max. 2:1	ASTM-D 792, A-I ASTM-D 2671
Mechanical Properties	Tensile Strength Elongation Secant Modulus	16 MPa 450 % 125 MPa max.	IEC 60684-2 IEC 60684-2 ASTM-D 882
Thermal Properties	Thermal Aging Tensile Strength Elongation Thermal Shock Tensile Strength Elongation Cold Bend Test flammability Shrink Temperature Storage Temperature Continuous Operating Temperature	(168 hrs at 158 °C) 12 MPa 350 % (4 hrs at 200 °C) 13 MPa 300 % does not break at -55°C passed +100°C to +200°C +40°C max. -55°C to +120°C	UL 224 IEC 811-1-2 ASTM-D 2671 Meth. C MVSS 302 IEC 216
Chemical Properties	Corrosive Action Compatibility with Copper Resistance against Chemicals Water Absorption	Non-corrosive Non-corrosive Good 0.20% max	ASTM-D 2671 Meth. A ASTM-D 2671 Meth. B VDE 0473
Electrical Properties	Dielectric Strength Specific Volume Resistance	22 kV/mm 10 ¹⁵ Ω x cm	VDE 0303 Part 2 VDE 0303 Part 3
Printability	Hot stamp printing Ink jet printing Offset printing	Very good Very good good	

Subject to modification.

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