

# PRODUCT DATASHEET

## DERAY - IB

**coloured**

Heat shrinkable sleeve – radiation cross-linked

Technical Data		Current Values	Test Methods
	<b>Material</b>  <b>Surface</b> <b>Specific Gravity</b> <b>Longitudinal Shrinkage</b> <b>Shrink Ratio</b>	PE, modified, lead and cadmium free matt 1.10 g/cm <sup>3</sup> max. -10% max. 2:1	ASTM-D 792, A-I ASTM-D 2671
<b>Mechanical Properties</b>	<b>Tensile Strength</b> <b>Elongation</b> <b>Secant Modulus</b>	16 MPa 450 % 125 MPa max.	IEC 60684-2 IEC 60684-2 ASTM-D 882
<b>Thermal Properties</b>	<b>Thermal Aging</b> <b>Tensile Strength</b> <b>Elongation</b>  <b>Thermal Shock</b> <b>Tensile Strength</b> <b>Elongation</b>  <b>Cold Bend Test</b> <b>flammability</b> <b>Shrink Temperature</b> <b>Storage Temperature</b> <b>Continuous Operating Temperature</b>	(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
<b>Chemical Properties</b>	<b>Corrosive Action</b> <b>Compatibility with Copper</b> <b>Resistance against Chemicals</b> <b>Water Absorption</b>	Non-corrosive Non-corrosive Good 0.20% max	ASTM-D 2671 Meth. A ASTM-D 2671 Meth. B  VDE 0473
<b>Electrical Properties</b>	<b>Dielectric Strength</b> <b>Specific Volume Resistance</b>	22 kV/mm 10 <sup>15</sup> Ω x cm	VDE 0303 Part 2 VDE 0303 Part 3
<b>Printability</b>	<b>Hot stamp printing</b> <b>Ink jet printing</b> <b>Offset printing</b>	Very good Very good good	

Subject to modification.

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