



Productdatasheet	DERAY® - I
Colour	coloured
Shortdescription	Heat shrinkable sleeve, radially crosslinked, 05-2015

	Technical Data	Current Values	Test Methods
Material	Material	PE, modified, RoHs & Reach konform	
	Surface	smooth	
	Specific gravity	1,3 g/cm ³ max.	
	Longitudinal shrinkage	+/-5% max.	ASTM-D 792, A-I
	Shrink ratio	2:1	ASTM-D 2671
Mechanical Properties	Tensile strength	17 MPa	IEC 60684-2
	Elongation	510%	IEC 60684-2
	Secant modulus	175 MPa max.	ASTM-D 882
Thermal Properties	Thermal ageing	(168 h at 158 °C)	UL 224
	Tensile strength	13 MPa	
	Elongation	305%	
	Thermal shock	(4 h at 200 °C)	IEC 811-1-2
	Tensile strength	14 MPa	
	Elongation	470%	
	Cold bend test	does not break at -55°C	ASTM-D 2671 Meth. C
	Combustion behaviour	selfextinguishing	UL 224
	Shrink temperature	+100°C to +200°C	
	Storage temperature	+50°C max.	
Chemical Properties	Continuous operating temperature	-55°C to +135°C	IEC 216
	Corrosive action	non-corrosive	ASTM-D 2671 Meth. A
	Compatibility with copper	non-corrosive	ASTM-D 2671 Meth. B
	Resistance against chemicals	good	
	Water absorption	0,20%	VDE 0473
Electrical Properties	Dielectric strength	24 kV/mm	DIN EN 60243-1 (1999)
	Spec. volume resistivity	10 ¹⁶ Ω x cm	DIN IEC 60167 (1993)
Printability	Hot stamp printing	very good	
	Ink jet printing	good	
	Thermotransfer printing	good	

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