



DERAY®- IGY

Productdatasheet	DERAY® IGY
Colour	coloured
Shortdescription	Heat shrinkable sleeve, radially crosslinked, Issued 03-2014

	Technical Data	Current Values	Test Methods
Material	Material	PE, modified, free of lead and cadmium	
	Surface	matt	
	Specific gravity	1,3 g/cm ³ max.	ASTM-D 792, A-I
	Longitudinal shrinkage	10% max.	ASTM-D 2671
	Shrink ratio	3:1	
Mechanical Properties	Tensile strength	15 MPa	IEC 60684-2
	Elongation	450%	IEC 60684-2
	Secant modulus	175 MPa max.	ASTM-D 882
Thermal Properties	Thermal ageing (168 h at 158 °C)		UL 224
	Tensile strength	12 MPa	
	Elongation	300%	
	Thermal shock (4 h at 200 °C)		IEC 811-1-2
	Tensile strength	14 MPa	
	Elongation	400%	
	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.		
	Continous operating temperature	-55°C to +135°C	IEC 2 16
Chemical Properties	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	27 kV/mm	VDE 0303 Part 2
	Spec. volume resistivity	10 ¹⁶ Ω x cm	VDE 0303 Part 3
Printability	Hot stamp printing	very good	
	Ink jet printing	good	
	Offset printing	good	

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