

Thin wall crosslinked polyolefin

TECHNICAL DATA: DERAY®-HB	CURRENT VALUES	TEST METHODS
Material		
Material	PE, modified, free of halogen, lead and cadmium	n/a
Surface	semi glossy	n/a
Specific gravity	0.95 g/cm ³ max.	ASTM-D 792, A-I
Shrink ratio	2:1	n/a
Longitudinal shrinkage	-6% max.	ASTM-D 2671
Mechanical		
Tensile strength	17 MPa	IEC 60684-2
Elongation	500%	IEC 60684-2
Secant modulus	170 MPa max.	ASTM-D 882
Thermal		
Tensile strength after thermal ageing (168 h at 150°C)	16 MPa	IEC 811-1-2
Elongation after thermal ageing (168 h at 150°C)	470%	IEC 811-1-2
Tensile strength after thermal shock (4 h at 200°C)	16 MPa	IEC 811-1-2
Elongation after thermal shock (4 h at 200°C)	480%	IEC 811-1-2
Cold bend test	does not break at -55°C	ASTM-D 2671 Meth. C
Combustion behaviour	passed	FMVSS 302
Shrink temperature	110°C min.	n/a
Storage temperature	50°C max.	n/a
Continuous operating temperature	- 55°C to 125°C	IEC 216
Chemical		
Corrosive action	non-corrosive	ASTM-D 2671 Meth. A
Compatibility with copper	non-corrosive	ASTM-D 2671 Meth. B
Resistance against chemicals	good	n/a
Water absorption	0.30%	VDE 0473
Electrical		
Dielectric strength	20 kV/mm	VDE 0303 Part 2
Spec. volume resistivity	10 ¹⁵ Ω x cm	VDE 0303 Part 3

FOR FURTHER INFORMATION, PLEASE CONTACT:

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