

## Thin wall crosslinked polyolefin

TECHNICAL DATA: DERAY®-I TRANSPARENT	CURRENT VALUES	TEST METHODS
<b>Material</b>		
Material	PE, modified; free of lead, silicone, halogen and cadmium	n/a
Surface	semi glossy	n/a
Specific gravity	1.0 g/cm <sup>3</sup> max.	ASTM-D 792, A-I
Longitudinal shrinkage	+/-5% max.	ASTM-D 2671
Shrink ratio	2:1	n/a
<b>Mechanical</b>		
Tensile strength	20 MPa	IEC 60684-2
Elongation	550%	IEC 60684-2
Secant modulus	175 MPa max.	ASTM-D 882
<b>Thermal</b>		
Tensile strength after thermal ageing (168 h at 158°C)	18 MPa	UL 224
Elongation after thermal ageing (168 h at 158°C)	500%	UL 224
Tensile strength after thermal shock (4 h at 200°C)	19 MPa	IEC 811-1-2
Elongation after thermal shock (4 h at 200°C)	530%	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	90°C min.	n/a
Storage temperature	40°C max.	n/a
Continuous operating temperature	-55°C to 135°C	IEC 216
<b>Chemical</b>		
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	0.20%	VDE 0473
<b>Electrical</b>		
Dielectric strength	24 kV/mm	VDE 0303 Part 2
Spec. volume resistivity	10 <sup>16</sup> Ω x cm	VDE 0303 Part 3

**FOR FURTHER INFORMATION, PLEASE CONTACT:**

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