

# Medium wall crosslinked polyolefin

## TECHNICAL DATA

TECHNICAL DATA	CURRENT VALUES	TEST METHODS
<b>Material</b>		
Material	PE, modified, free of halogen, lead and cadmium	n/a
Surface	matt	n/a
Specific gravity	1.1 g/cm <sup>3</sup> max.	ASTM-D 792, A-I
Shrink ratio	>2:1	n/a
Longitudinal shrinkage	-15% max.	ASTM-D 2671
<b>Mechanical</b>		
Tensile strength	16 MPa	IEC 60684-2
Elongation	450%	IEC 60684-2
Secant modulus	300 MPa max.	ASTM-D 882
<b>Thermal</b>		
Tensile strength after Thermal ageing (168 h at 150°C)	12 MPa	IEC 811-1-2
Elongation after thermal ageing (168 h at 150°C)	250%	IEC 811-1-2
Tensile strength after thermal shock (4 h at 200°C)	15 MPa	IEC 811-1-2
Elongation after thermal shock (4 h at 200°C)	500%	IEC 811-1-2
Cold bend test	does not break at -40°C	ASTM-D 2671 Meth. C
Combustion behaviour	passed	FMVSS 302
Shrink temperature	120°C min.	n/a
Storage temperature	50°C max.	n/a
Continuous operating temperature	- 40°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	0.50%	VDE 0473
<b>Electrical</b>		
Dielectric strength	20 kV/mm	VDE 0303 Part 2
Spec. volume resistivity	10 <sup>14</sup> Ω x cm	VDE 0303 Part 3

### FOR FURTHER INFORMATION, PLEASE CONTACT:

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