

Thin wall adhesive lined crosslinked polyolefin

TECHNICAL DATA

TECHNICAL DATA	CURRENT VALUES	TEST METHODS
Material		
Material	Polyolefin, modified; free of lead and cadmium	n/a
Specific gravity	1.00 g/cm ³ max.	ASTM-D 792, A-I
Shrink ratio	3:1 / 4:1	n/a
Longitudinal shrinkage	3:1: - 15 % max.; 4:1: - 18 % max.	ASTM-D 2671
Mechanical		
Tensile strength	17 MPa	IEC 60684-2
Elongation	450%	IEC 60684-2
Secant modulus	175 MPa max.	ASTM-D 882
Thermal		
Tensile strength after heat aging (168 h at 150°C)	15 MPa	IEC 811-1-2
Elongation after heat aging (168 h at 150°C)	360%	IEC 811-1-2
Tensile strength after heat shock (4 h at 200°C)	16 MPa	IEC 811-1-2
Elongation after heat shock (4 h at 200°C)	380%	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	95°C min.	n/a
Storage temperature	50°C max.	n/a
Continuous operating temperature	-55°C to 110°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
Resistance against mould	does not promote mould growth	ISO 846
Water absorption	0.17%	VDE 0472
Electrical		
Dielectric strength	23 kV/mm	VDE 0303 Part 2
Volume resistivity	10 ¹⁴ Ω x cm	VDE 0303 Part 3

FOR FURTHER INFORMATION, PLEASE CONTACT:

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