

Water Blocking Solution System

TECHNICAL DATA

TECHNICAL DATA	CURRENT VALUES	TEST METHODS
Material		
Material	Polyolefin, modified; free of lead, chromium VI, mercury and cadmium	n/a
Adhesive	Polyamid, modified	n/a
Surface	smooth	n/a
Specific gravity	1.25 g/cm ³ max.	ASTM-D 792, A-I
Longitudinal shrinkage	-10% max.	ASTM-D 2671
Mechanical		
Tensile strength	17 MPa	IEC 60684-2
Elongation	500%	IEC 60684-2
Secant modulus	175 MPa max.	ASTM-D 882
Thermal		
Tensile strength after Thermal ageing (168 h at 160°C)	12 MPa	IEC 811-1-2
Elongation after Thermal ageing (168 h at 160°C)	320%	IEC 811-1-2
Long term ageing (3000 h at 125°C)	no cracking	n/a
Tensile strength after Thermal shock (4 h at 200°C)	14 MPa	IEC 811-1-2
Elongation after Thermal shock (4 h at 200°C)	360%	IEC 811-1-2
Cold bend test	does not break at -40°C	ASTM-D 2671 Meth. C
Combustion behaviour	jacket selfextinguishing	ASTM-D 2671 Meth. B
Shrink temperature	150°C to 200°C	n/a
Storage temperature	50°C max.	n/a
Continuous operating temperature	-40°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	0.50%	VDE 0473
Electrical		
Dielectric strength	18 kV/mm	VDE 0303 Part 2
Spec. volume resistivity	10 ¹⁴ Ω x cm	VDE 0303 Part 3

FOR FURTHER INFORMATION, PLEASE CONTACT:

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