

CFW

Heavy wall crosslinked polyolefin



TECHNICAL DATA	CURRENT VALUES	TEST METHODS
Material		
Material	PE, modified, lead and cadmium free	n/a
Surface	glossy	n/a
Specific gravity	1.1 g/cm ³	n/a
Shore D hardness	> 60	ISO R 1183
Longitudinal shrinkage	10%	n/a
Shrink ratio	> 2:1	DIN 53505
Mechanical		
Tensile strength	> 14,5 MPa	ISO R 527
Elongation	550%	ISO R 527
Thermal		

TECHNICAL DATA	CURRENT VALUES	TEST METHODS
Tensile strength after Thermal ageing (168 hrs at 150°C)	12 MPa	ISO R 527
Elongation after Thermal ageing (168 hrs at 150°C)	500%	ISO R 527
Brittleness temperature	-55°C	ISO 974
Flammability	passed	MVSS 302
Shrink temperature	120°C	CSL Internal
Storage temperature	50°C max.	n/a
Thermal resistance	110°C	IEC 216
Chemical		
Tensile strength after immersion in Oil & Gasoline (24h at 23°C)	> 10 MPa	ISO R 527
Elongation after immersion in Oil & Gasoline (24h at 23°C)	> 300 %	ISO R 527
Water absorption	< 0,2 %	DIN 53 495
Mould growth	GL 0	ASTM G21-70
Electrical Properties		
Dielectric strength	> 20 kV/mm	IEC 243
Volume resistivity	$10^{16}\Omega \cdot \text{cm}$	IEC 93
Properties of adhesive: Hotmelt EVA		
Softening point	100°C	DIN 52 011
Low temperature flexibility	-20°C	ASTM D 3111
Corrosion	non-corrosive	ASTM D 671

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