

Medium wall crosslinked polyolefin tubing

TECHNICAL DATA

TECHNICAL DATA	CURRENT VALUES	TEST METHODS
Material		
Material	PE, modified; free of lead and cadmium	n/a
Surface	glossy	n/a
Specific gravity	1.1 g/cm ³ max.	IEC 60684-2
Shore D Hardness	> 60	IEC 60684-2
Longitudinal shrinkage	-10% max.	IEC 60684-2
Shrink ratio	3:1	IEC 60684-2
Mechanical		
Tensile strength	> 14.5 MPa	IEC 60684-2
Elongation	550%	IEC 60684-2
Thermal		
Tensile strength after thermal ageing (168 h at 150°C)	12 MPa	IEC 60684-2
Elongation after thermal ageing (168 h at 150°C)	500%	IEC 60684-2
Brittleness temperature	-55°C	IEC 60684-2
Combustion behaviour	passed	MVSS 302
Shrink temperature	120°C	CSL Internal
Storage temperature	40°C max.	n/a
Continuous operating temperature	-55°C to 110°C.	IEC 60216
Chemical		
Tensile strength after immersion in oil and gasoline (24h at 23°C)	> 10 MPa	IEC 60684-2
Elongation after immersion in oil and gasoline (24h at 23°C)	> 300 %	IEC 60684-2
Water absorption	< 0.2 %	IEC 60684-2
Electrical		
Dielectric strength	> 20 kV/mm	IEC 60684-2
Spec. volume resistivity	10 ¹⁶ Ω x cm	IEC 60684-2
Properties of adhesive: Hotmelt EVA		
Softening point	100°C	ISO 11357-3
Cold bend	-20°C	IEC 60684-2
Corrosion	non corrosive	IEC 60684-2

FOR FURTHER INFORMATION, PLEASE CONTACT:

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