Heavy Wall Cross-linked Polyolefin

TECHNICAL DATA

TECHNICAL DATA	CURRENT VALUES	TEST METHODS
Material		
Tensile Strength	2,100 psi (14.5 MPa)	ASTM D412, ISO 37
Elongation	600%	ASTM D412, ISO 37
Elongation after Heat Aging (168 hr at 150°C)	500%	ASTM D2671
Heat Shock (4 hr at 225°C)	No cracking or flowing	ASTM D2671
Longitudinal Change	+1%, -10%	ASTM D2671
Low Temperature Flexibility (4 hr at -55°C)	No cracking	ASTM D2671
Specific Gravity	1.1	ASTM D792
Hardness (Shore D)	50D	ASTM D2240
Electrical		
Dielectric Strength	500 V/mil (20 kV/mm)	ASTM D149
Dielectric Voltage Withstand (2500 V, 60 Hz, 1 min)	No breakdown, 24 kV 1 min., 15 kV 4 hr	UL 486D
Volume Resistivity	10^{16} ohm-cm	ASTM D257
Chemical		
Fluid Resistance	Good to excellent	MIL-DTL-23053/5
Fungus Resistance	No growth	ASTM G21
Copper Corrosion	No corrosion	ASTM D2671
Water Absorption	0.1%	ASTM D570
Adhesive		
Adhesive Lap Shear (1 in/min at 23°C)	125 psi (0.875 MPa)	ASTM D1002
Adhesive Softening Point	92°C ±5°C	ASTM E28
Adhesive Peel Strength (300 mm/min at 23°C) · to steel, aluminum, PE · PVC	 35 pli 20 pli	ASTM D1000
Adhesive Blocking (30°C)	No blocking	ASTM D1146
Water Penetration	No penetration after 236 hr of continuous immersion	STM 706

FOR FURTHER INFORMATION, PLEASE CONTACT:

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