

# Medium voltage crosslinked polyolefin bus bar tubing

## TECHNICAL DATA

TECHNICAL DATA	CURRENT VALUES	TEST METHODS
<b>Material</b>		
Tensile Strength	1,200 psi (8.3 MPa)	ASTM D412, ISO 37
Elongation	370%	ASTM D412, ISO 37
Longitudinal Change	-10% max. CBTM (all sizes) and CBTH 1100, 2000 -15% max. CBTH 2700 to 6600	ASTM D2671
Heat Aging (7days at 175°C) - Tensile Strength	1,500 psi (10 MPa)	ASTM D2671
Heat Aging (7days at 175°C) - Elongation	200%	ASTM D2671
Heat Shock (4 hr at 225°C)	No cracking or flowing	ASTM D2671
Low Temperature Flexibility (4 hr at -55°C)	No cracking	ASTM D2671
Flammability	Pass	ANSI C37.20; ASTM D2671
<b>Electrical</b>		
Dielectric Strength	500 V/mil (20 kV/mm) at 2 mm	ASTM D149
Surface Resistance	$510 \times 10^9$ ohm	ASTM D257
Volume Resistivity	$1.9 \times 10^{16}$ ohm-cm	ASTM D257
Dielectric Constant	3.4	ASTM D150
Tracking Resistance (2500 V, 300 min)	Non-tracking	ANSI C37.20; ASTM D2303
Weathering	Non-tracking after 6,000 hr	ASTM G53
<b>Chemical</b>		
Corrosion	No corrosion	ASTM D2671
Water Absorption	0.25%	ASTM D570
Fluid Resistance	Good to excellent	SAE-AMS-DTL-23053/15

### FOR FURTHER INFORMATION, PLEASE CONTACT:

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