

## 3M BBI-A Shrinkable Tubing for Bus Bar

Category : Polymer , Thermoset

**Material Notes:**

3M Heat Shrinkable Tubing for Bus Bar BBI-A Series is designed for insulating rectangular, square and round bus bar rated from 5 kV through 35 kV. It will also cover and insulate inline bolted connections of rectangular bus bars. The tubing meets the requirements of ANSI/IEEE Standard C37.20. The standard tubing lengths are 20 ft (6.1 m) and 50 feet (15.2m). 3M BBI-A Tubing is made of a specially formulated cross-linked polyolefin. The tubing is colored orange-red. The material has high resistance to splitting, good solvent resistance to splitting, good solvent resistance and excellent tracking resistance properties. The tubing shrinks easily with industry standard methods, forming an aesthetically appealing insulation cover. Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-BBI-A-Shrinkable-Tubing-for-Bus-Bar.php](http://www.lookpolymers.com/polymer_3M-BBI-A-Shrinkable-Tubing-for-Bus-Bar.php)

Physical Properties	Metric	English	Comments
Water Absorption	0.30 %	0.30 %	7 days at RT; MIL-I-23053/15A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	5.60 - 16.5 MPa	812 - 2390 psi	Fluid Resistance, 24 hrs immersed; MIL-I-23053/15A
	15.0 MPa	2180 psi	ASTM D257
	10.0 MPa @Temperature 175 °C, Time 605000 sec	1450 psi @Temperature 347 °F, Time 168 hour	Accelerated Aging; MIL-I-23053/15A
Elongation at Break	575 %	575 %	ASTM D638
	400 % @Temperature 175 °C, Time 605000 sec	400 % @Temperature 347 °F, Time 168 hour	Accelerated Aging; MIL-I-23053/15A

Electrical Properties	Metric	English	Comments
Dielectric Strength	11.3 - 17.8 kV/mm	287 - 451 kV/in	Fluid Resistance, 24 hrs immersed; MIL-I-23053/15A
	21.7 kV/mm @Thickness 1.78 mm	550 kV/in @Thickness 0.0700 in	ASTM D149
Track Resistance	25200 sec	25200 sec	1 in @ 2.5 kV; ASTM D2303

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