

Tipco Tipcolite® TG 311 Phenolic Compound, Mineral & Wood Flour, Medium Flow & High Electrical Properties

Category : Polymer , Thermoset , Phenolic

Material Notes:

Medium Flow Phenolic Compound, Reinforced with Mineral & Wood Flour
Applications: Electrical & Electronics
Processing: Compression & Transfer
Information provided by the Manufacturer, Tipco Industries Ltd., India.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tipco-Tipcolite-TG-311-Phenolic-Compound-Mineral-Wood-Flour-Medium-Flow-High-Electrical-Properties.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ASTM D792
Apparent Bulk Density	0.700 g/cc	0.0253 lb/in ³	TRM-37
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	42.5 MPa	6160 psi	ASTM D638
Flexural Yield Strength	65.0 MPa	9430 psi	ASTM D790
Izod Impact, Notched (ISO)	2.20 kJ/m ²	1.05 ft-lb/in ²	ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.00e+9 ohm-cm	5.00e+9 ohm-cm	ASTM D257
Surface Resistance	7.94e+8 ohm	7.94e+8 ohm	ASTM D257
Dielectric Strength	5.00 kV/mm	127 kV/in	ASTM D149

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