

Tipco Tipcolite® TG 618 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-618-Phenolic-Compound-Mineral-Wood-Flour-Medium-Flow-High-Electrical-Properties.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ASTM D792
Apparent Bulk Density	0.700 g/cc	0.0253 lb/in ³	TRM-37
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	49.0 MPa	7110 psi	ASTM D638
Flexural Yield Strength	75.0 MPa	10900 psi	ASTM D790
Izod Impact, Notched (ISO)	2.40 kJ/m ²	1.14 ft-lb/in ²	ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.60e+10 ohm-cm	1.60e+10 ohm-cm	ASTM D257
Surface Resistance	5.01e+9 ohm	5.01e+9 ohm	ASTM D257
Dielectric Strength	4.80 kV/mm	122 kV/in	ASTM D149

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