

Tipco Tipcolite® TEL 211 Phenolic Compound, Glass & Nylon Fibers, Soft Flow & Low Shrinkage

Category : Polymer , Thermoset , Phenolic

Material Notes:

Soft Flow Phenolic Compound, Reinforced with Glass & Nylon Fibres
Applications: Automotives & Electrical
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-TEL-211-Phenolic-Compound-Glass-Nylon-Fibers-Soft-Flow-Low-Shrinkage.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ASTM D792
Apparent Bulk Density	0.450 g/cc	0.0163 lb/in ³	TRM-37
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	53.0 MPa	7690 psi	ASTM D638
Flexural Yield Strength	78.0 MPa	11300 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	3.16e+11 ohm-cm	3.16e+11 ohm-cm	ASTM D257
Surface Resistance	3.16e+11 ohm	3.16e+11 ohm	ASTM D257
Dielectric Strength	6.50 kV/mm	165 kV/in	ASTM D149

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