

Tipco Tipcolite® THD 321 Phenolic Compound, Wood Flour & Cellulose, having Soft Flow & High Strength

Category : Polymer , Thermoset , Phenolic

Material Notes:

Soft Flow Phenolic Compound, Reinforced with Wood Flour & Cellulose
Applications: Switchgear, HRC Fuses
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-THD-321-Phenolic-Compound-Wood-Flour-Cellulose-having-Soft-Flow-High-Strength.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ASTM D792
Apparent Bulk Density	0.500 g/cc	0.0181 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	50.0 MPa	7250 psi	ASTM D638
Flexural Yield Strength	80.0 MPa	11600 psi	ASTM D790
Izod Impact, Unnotched (ISO)	2.40 kJ/m ²	1.14 ft-lb/in ²	ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.16e+10 ohm-cm	3.16e+10 ohm-cm	ASTM D257
Surface Resistance	3.16e+9 ohm	3.16e+9 ohm	ASTM D257
Dielectric Strength	8.50 kV/mm	216 kV/in	ASTM D149

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