

Tipco Tipcolite® TMS 111 Phenolic Compound, Cellulose Pulp, in fluffy form, having Soft Flow & High Strength

Category : Polymer , Thermoset , Phenolic

Material Notes:

Soft Flow Phenolic Compound, Reinforced with Cellulose Pulp, in fluffy form
Applications: Defence Applications
Processing: Compression Molding
Information provided by the Manufacturer, Tipco Industries Ltd., India.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tipco-Tipcolite-TMS-111-Phenolic-Compound-Cellulose-Pulp-in-fluffy-form-having-Soft-Flow-High-Strength.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in ³	ASTM D792
Apparent Bulk Density	0.200 g/cc	0.00723 lb/in ³	TRM-37
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	45.0 MPa	6530 psi	ASTM D638
Flexural Yield Strength	70.0 MPa	10200 psi	ASTM D790
Izod Impact, Unnotched (ISO)	4.30 kJ/m ²	2.05 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	3.00 kV/mm	76.2 kV/in	ASTM D149

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