

Amity Thermosets ATS 134 Phenolic Molding Inorganic, graphite Filler, Compression Molded

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic

Material Notes:

Characteristics: Low coefficient of friction Self lubricating (graphite modified) Good thermal conductivity Good glide properties Not suitable for electrical application Color- black gray Soft/medium flow Applications: Pump parts Gas meter parts Carriers for grinding wheels , etc.

Information provided by Amity Thermosets Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_Amity-Thermosets-ATS-134-Phenolic-Molding-Inorganic-graphite-Filler-Compression-Molded.php

Physical Properties	Metric	English	Comments
Density	1.60 - 1.70 g/cc	0.0578 - 0.0614 lb/in ³	Molding; IS 867-1963
Apparent Bulk Density	0.750 - 0.850 g/cc	0.0271 - 0.0307 lb/in ³	IS 867-1963
Water Absorption	0.10 - 0.15 %	0.10 - 0.15 %	IS 13411-1993
Linear Mold Shrinkage	0.0020 - 0.0035 cm/cm	0.0020 - 0.0035 in/in	IS 13411-1992

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	46.0 - 56.0 MPa	6670 - 8120 psi	5 mm/min.; IS 867-1963
Shear Strength	60.0 - 65.0 MPa	8700 - 9430 psi	IS 867-1963
Izod Impact, Notched	0.200 - 0.300 J/cm	0.375 - 0.562 ft-lb/in	IS 13411-1992

Processing Properties	Metric	English	Comments
Mold Temperature	160 - 170 °C	320 - 338 °F	
Injection Pressure	15.68 - 34.3 MPa	2274 - 4970 psi	Mold Pressure
Cure Time	1.00 - 1.17 min	0.0167 - 0.0194 hour	per mm
Shelf Life	12.0 Month	12.0 Month	10-25°C

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