

Amity Thermosets ATS 132 Phenolic Molding Organic, inorganic, and graphite Filler, Compression Molded

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

Material Notes:

Characteristics:Self lubricating (graphite modified)Good glide propertiesGood sealing propertiesMedium or low mechanical strengthUnsuitable for electrical applicationGlossy surfaceThermal conductivityColor-gray Medium flow Applications:SealsSelf lubricating parts / housings , etc. Information provided by Amity Thermosets Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_Amity-Thermosets-ATS-132-Phenolic-Molding-Organic-inorganic-and-graphite-Filler-Compression-Molded.php

Physical Properties	Metric	English	Comments
Density	1.55 - 1.68 g/cc	0.0560 - 0.0607 lb/in ³	Molding; IS 867-1963
Apparent Bulk Density	0.740 - 0.840 g/cc	0.0267 - 0.0303 lb/in ³	IS 867-1963
Water Absorption	0.20 - 0.30 %	0.20 - 0.30 %	IS 13411-1993
Linear Mold Shrinkage	0.0024 - 0.0036 cm/cm	0.0024 - 0.0036 in/in	IS 13411-1992

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	28.0 - 35.0 MPa	4060 - 5080 psi	5 mm/min.; IS 867-1963
Shear Strength	32.0 - 45.0 MPa	4640 - 6530 psi	IS 867-1963
Izod Impact, Notched	0.170 - 0.270 J/cm	0.318 - 0.506 ft-lb/in	IS 13411-1992

Processing Properties	Metric	English	Comments
Mold Temperature	160 - 180 °C	320 - 356 °F	
Injection Pressure	14.7 - 29.4 MPa	2130 - 4260 psi	Mold Pressure
Cure Time	0.550 - 0.750 min	0.00917 - 0.0125 hour	per mm
Shelf Life	12.0 Month	12.0 Month	10-25°C

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