

Amity Thermosets ATS 131 Phenolic Molding Organic 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 blackSoft 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-131-Phenolic-Molding-Organic-and-graphite-Filler-Compression-Molded.php

Physical Properties	Metric	English	Comments
Density	1.55 - 1.62 g/cc	0.0560 - 0.0585 lb/in ³	Molding; IS 867-1963
Apparent Bulk Density	0.750 - 0.840 g/cc	0.0271 - 0.0303 lb/in ³	IS 867-1963
Water Absorption	0.20 - 0.30 %	0.20 - 0.30 %	IS 13411-1993
Linear Mold Shrinkage	0.0035 - 0.0050 cm/cm	0.0035 - 0.0050 in/in	IS 13411-1992

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 - 50.0 MPa	5800 - 7250 psi	5 mm/min.; IS 867-1963
Shear Strength	55.0 - 60.0 MPa	7980 - 8700 psi	IS 867-1963
Izod Impact, Notched	0.220 - 0.320 J/cm	0.412 - 0.599 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	0.417 - 0.667 min	0.00694 - 0.0111 hour	per mm
Shelf Life	12.0 Month	12.0 Month	10-25°C

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