

Amity Thermosets ATS 166 Phenolic Molding Chopped cotton fabric Filler, Compression Molded

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

Material Notes:

Characteristics: High impact strength Glossy surface Low shrinkage Good sliding properties Color-Black Medium flow Applications: Cog wheels Castor wheels Bush bearings Pulleys Welding rod handles Textile bobbins etc. Information provided by Amity Thermosets Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_Amity-Thermosets-ATS-166-Phenolic-Molding-Chopped-cotton-fabric-Filler-Compression-Molded.php

Physical Properties	Metric	English	Comments
Density	1.38 - 1.43 g/cc	0.0499 - 0.0517 lb/in ³	Molding; IS 867-1963
Water Absorption	0.60 - 1.0 %	0.60 - 1.0 %	IS 13411-1993
Linear Mold Shrinkage	0.0030 - 0.0042 cm/cm	0.0030 - 0.0042 in/in	IS 13411-1992

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 38.0 MPa	>= 5510 psi	5 mm/min.; IS 867-1963
Shear Strength	>= 75.0 MPa	>= 10900 psi	2mm/min.; IS 867-1963
Izod Impact, Notched	>= 2.00 J/cm	>= 3.75 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	0.333 - 0.500 min	0.00556 - 0.00833 hour	per mm
Shelf Life	12.0 Month	12.0 Month	

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