

Amity Thermosets ATS 157 Phenolic Molding Long glass fiber Filler, Compression Molded

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

Material Notes:

Characteristics: Shock resistant (High impact strength) Very good mechanical strength Good dielectric strength Low water absorption Low shrinkage Color- pale brown, black, dark brown, green etc. Medium/stiff flow Applications: Molded items which ought to withstand high impact Molded items which ought to posses electrical and thermal insulation properties Tension Pulleys Guards Shields Information provided by Amity Thermosets Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_Amity-Thermosets-ATS-157-Phenolic-Molding-Long-glass-fiber-Filler-Compression-Molded.php

Physical Properties	Metric	English	Comments
Density	1.70 - 1.90 g/cc	0.0614 - 0.0686 lb/in ³	Molding; IS 867-1963
Water Absorption	0.10 - 0.20 %	0.10 - 0.20 %	IS 13411-1993
Linear Mold Shrinkage	0.0015 - 0.0026 cm/cm	0.0015 - 0.0026 in/in	IS 13411-1992

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 80.0 MPa	>= 11600 psi	5 mm/min.; IS 867-1963
Shear Strength	>= 120 MPa	>= 17400 psi	2mm/min.; IS 867-1963
Izod Impact, Notched	>= 8.00 J/cm	>= 15.0 ft-lb/in	IS 13411-1992

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+12 ohm-cm	>= 1.00e+12 ohm-cm	IS 3396-1979
Surface Resistance	>= 3.2e+11 ohm	>= 3.2e+11 ohm	IS 3396-1979
Dielectric Strength	>= 8.00 kV/mm @Temperature 90.0 °C	>= 203 kV/in @Temperature 194 °F	IS 2584-1963
Comparative Tracking Index	>= 150 V	>= 150 V	2824-1975

Processing Properties	Metric	English	Comments
Mold Temperature	160 - 180 °C	320 - 356 °F	
Injection Pressure	15.68 - 34.3 MPa	2274 - 4970 psi	Mold Pressure
Cure Time	1.33 - 1.83 min	0.0222 - 0.0306 hour	per mm
Shelf Life	12.0 Month	12.0 Month	10-25°C

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China