

Amity Thermosets ATO 159 Phenolic Molding Glass/ inorganic Filler, Compression Molded

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

Material Notes:

Characteristics:High electrical insulationHigh mechanical strengthDimensional stabilityLow water absorptionColor-black Medium flow
Applications: High electric insulation componentsHigh voltage switch partsCross barsIron heat shieldCommutatorsVacuum cleaner partsAutomotive parts (which ought to withstand thermal shocks)Wind Screen wiper partsWashing machine parts (higher quality)Thermally and mechanically highly stressed partsInsulating flangesPulleysHigh quality castor wheelsPump housingElectric motor end shield , etc.Information provided by Amity Thermosets Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_Amity-Thermosets-ATO-159-Phenolic-Molding-Glass-inorganic-Filler-Compression-Molded.php

Physical Properties	Metric	English	Comments
Density	1.70 - 1.80 g/cc	0.0614 - 0.0650 lb/in ³	Molding; IS 867-1963
Apparent Bulk Density	0.730 - 0.850 g/cc	0.0264 - 0.0307 lb/in ³	IS 867-1963
Water Absorption	0.15 - 0.20 %	0.15 - 0.20 %	IS 13411-1993
Linear Mold Shrinkage	0.0026 - 0.0038 cm/cm	0.0026 - 0.0038 in/in	IS 13411-1992

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 - 65.0 MPa	7250 - 9430 psi	5 mm/min.; IS 867-1963
Shear Strength	70.0 - 80.0 MPa	10200 - 11600 psi	IS 867-1963
Izod Impact, Notched	0.400 - 0.500 J/cm	0.749 - 0.937 ft-lb/in	IS 13411-1992

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.2e+11 - 3.2e+12 ohm-cm	3.2e+11 - 3.2e+12 ohm-cm	IS 3396-1979
Surface Resistance	1.00e+11 - 3.16e+11 ohm	1.00e+11 - 3.16e+11 ohm	IS 3396-1979
Dielectric Strength	>= 9.00 kV/mm @Temperature 90.0 °C	>= 229 kV/in @Temperature 194 °F	IS 2584-1963

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 Processing Properties	0.783 - 0.917 min Metric	0.0131 - 0.0153 hour English	per mm Comments
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