

Amity Thermosets ATG 112 Phenolic Molding Organic Filler, Compression Molded

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

Material Notes:

Characteristics: Medium mechanical strength Medium electrical insulation General purpose Color- Black, Brown Soft/medium flow

Applications: Electrical accessories & fittings (medium quality) Domestic appliance handles & knobs Bottle caps Lamp casing, housings

Connectors, etc. Information provided by Amity Thermosets Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_Amity-Thermosets-ATG-112-Phenolic-Molding-Organic-Filler-Compression-Molded.php

Physical Properties	Metric	English	Comments
Density	1.37 - 1.44 g/cc	0.0495 - 0.0520 lb/in ³	Molding; IS 867-1963
Apparent Bulk Density	0.660 - 0.730 g/cc	0.0238 - 0.0264 lb/in ³	IS 867-1963
Water Absorption	0.26 - 0.51 %	0.26 - 0.51 %	IS 13411-1993
Linear Mold Shrinkage	0.0075 - 0.0086 cm/cm	0.0075 - 0.0086 in/in	IS 13411-1992

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	46.0 - 55.0 MPa	6670 - 7980 psi	5 mm/min.; IS 867-1963
Shear Strength	56.0 - 68.0 MPa	8120 - 9860 psi	IS 867-1963
Izod Impact, Notched	0.280 - 0.370 J/cm	0.525 - 0.693 ft-lb/in	IS 13411-1992

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.2e+10 - 3.2e+11 ohm-cm	3.2e+10 - 3.2e+11 ohm-cm	IS 3396-1979
Surface Resistance	3.2e+9 - 1.0e+10 ohm	3.2e+9 - 1.0e+10 ohm	IS 3396-1979
Dielectric Strength	3.50 - 5.00 kV/mm @Temperature 90.0 °C	88.9 - 127 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	0.333 - 0.417 min	0.00556 - 0.00694 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