

Amity Thermosets ATF 197 Phenolic Molding Inorganic and glass Filler, Compression Molded

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

Material Notes:

Characteristics: Flame retardant Spark resistant Good electrical insulation Heat stability (200°C) Good mouldability Low water absorption Low shrinkage Color-black Soft/medium flow Applications: Switchgear components exposed to spark Automotive (electrical, electronic) parts Decor items (ash trays) Superior quality handles & knobs often exposed to flame Automotive lamp caps Mouldings exposed to warm & humid climate Moulding exposed to low intensity flame and spark, etc. Information provided by Amity Thermosets Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_Amity-Thermosets-ATF-197-Phenolic-Molding-Inorganic-and-glass-Filler-Compression-Molded.php

Physical Properties	Metric	English	Comments
Density	1.45 - 1.60 g/cc	0.0524 - 0.0578 lb/in ³	Molding; IS 867-1963
Apparent Bulk Density	0.680 - 0.800 g/cc	0.0246 - 0.0289 lb/in ³	IS 867-1963
Water Absorption	0.15 - 0.30 %	0.15 - 0.30 %	IS 13411-1993
Linear Mold Shrinkage	0.0045 - 0.0055 cm/cm	0.0045 - 0.0055 in/in	IS 13411-1992

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	39.0 - 46.0 MPa	5660 - 6670 psi	5 mm/min.; IS 867-1963
Shear Strength	66.0 - 75.0 MPa	9570 - 10900 psi	2mm/min.; IS 867-1963
Izod Impact, Notched	0.220 - 0.300 J/cm	0.412 - 0.562 ft-lb/in	IS 13411-1992

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.2e+11 - 1.0e+12 ohm-cm	3.2e+11 - 1.0e+12 ohm-cm	IS 3396-1979
Surface Resistance	3.2e+10 - 3.2e+11 ohm	3.2e+10 - 3.2e+11 ohm	IS 3396-1979
Dielectric Strength	6.50 - 7.50 kV/mm @Temperature 90.0 °C	165 - 191 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 Processing Properties	15.68 - 34.3 MPa Metric	2274 - 4970 psi English	Mold Pressure Comments
Cure Time	0.333 - 0.500 min	0.00556 - 0.00833 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