

Amity Thermosets ATS 158 Phenolic Molding Glass fiber Filler, Compression Molded

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

Material Notes:

Characteristics:Ammonia free Increased CTI High electrical insulation properties High mechanical strength Temperature stability (230 0 C)

Color-black Medium flow Applications:Switchgear componentCommutators (washing machine, motors, vacuum cleaner, electrical tools and large commutators)Automotive components (electrical), etc. Information provided by Amity Thermosets Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_Amity-Thermosets-ATS-158-Phenolic-Molding-Glass-fiber-Filler-Compression-Molded.php

Physical Properties	Metric	English	Comments
Density	1.80 - 1.85 g/cc	0.0650 - 0.0668 lb/in ³	Molding; IS 867-1963
Apparent Bulk Density	0.750 - 0.850 g/cc	0.0271 - 0.0307 lb/in ³	IS 867-1963
Water Absorption	0.10 - 0.20 %	0.10 - 0.20 %	IS 13411-1993
Linear Mold Shrinkage	0.00050 - 0.0020 cm/cm	0.00050 - 0.0020 in/in	IS 13411-1992

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 60.0 MPa	>= 8700 psi	5 mm/min.; IS 867-1963
Shear Strength	>= 110 MPa	>= 16000 psi	2mm/min.; IS 867-1963
Izod Impact, Notched	>= 0.480 J/cm	>= 0.899 ft-lb/in	IS 13411-1992

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	230 °C	446 °F	2 hours

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+12 ohm-cm	>= 1.00e+12 ohm-cm	IS 3396-1979
Surface Resistance	>= 1.00e+11 ohm	>= 1.00e+11 ohm	IS 3396-1979
Dielectric Strength	>= 10.0 kV/mm @Temperature 90.0 °C	>= 254 kV/in @Temperature 194 °F	IS 2584-1963
Comparative Tracking Index	>= 175 V	>= 175 V	2824-1975

Processing Properties	Metric	English	Comments
Mold Temperature	160 - 180 °C	320 - 356 °F	

Processing Properties	Metric 34.3 MPa	English 4970 psi	Comments Cure
Cure Time	0.833 - 1.17 min	0.0139 - 0.0194 hour	per mm
Shelf Life	4.00 Month	4.00 Month	10-25°C

Descriptive Properties	Value	Comments
Ammonia content	Nil	

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