

Haysite 20000 Polyester BMC, 15% Glass Reinforced

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyester, TS , Thermoset Polyester Glass Filled BMC

Material Notes:

The 20000 series bulk molding compound is an electrical grade that can be compression, transfer, or injection molded. Offering good arc/track properties and mechanical strength, this grade is also recognized by UL with a 94V-0 flame rating at .060" wall thickness. Haysite 20000 BMC has a slightly higher shrinkage rate than other Haysite UL recognized BMC's.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Haysite-20000-Polyester-BMC-15-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.95 g/cc	0.0704 lb/in ³	ASTM D572
Water Absorption	0.10 %	0.10 %	ASTM D570
Linear Mold Shrinkage	0.0025 cm/cm	0.0025 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	45.0 MPa	6530 psi	
Flexural Strength	103 MPa	14900 psi	
Compressive Strength	90.0 MPa	13100 psi	
Izod Impact, Notched	2.10 J/cm	3.93 ft-lb/in	edgewise; ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 Å°C	266 Å°F	temperature rating
Flammability, UL94	V-0	V-0	File No.E-27875

Electrical Properties	Metric	English	Comments
Dielectric Constant	5.5 @Frequency 60 Hz	5.5 @Frequency 60 Hz	ASTM D150
Dielectric Strength	16.0 kV/mm	406 kV/in	Perpendicular (ASTM D149), Short Time
Dissipation Factor	0.029 @Frequency 60 Hz	0.029 @Frequency 60 Hz	ASTM D150
Arc Resistance	190 sec	190 sec	ASTM D495
Comparative Tracking Index	600 V	600 V	

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