

Haysite 14200 Polyester BMC, 15% Glass Reinforced

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

Material Notes:

The 14200 series bulk molding compound is one of Haysite's newest molding compound families. This grade can be compression, transfer, or injection molded. Good mechanical strength and exceptional arc/track properties make this grade a natural for many electrical applications. The 14200 BMC is recognized by UL with a 94V-0 flame rating at 0.120" wall thickness (pending).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Haysite-14200-Polyester-BMC-15-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.85 g/cc	0.0668 lb/in ³	ASTM D572
Water Absorption	0.16 %	0.16 %	ASTM D570
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	41.0 MPa	5950 psi	
Flexural Strength	138 MPa	20000 psi	
Compressive Strength	97.0 MPa	14100 psi	
Izod Impact, Notched	4.30 J/cm	8.06 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	UL94 V-0 Pending; File No.E-27875

Electrical Properties	Metric	English	Comments
Dielectric Strength	16.0 kV/mm	406 kV/in	Perpendicular (ASTM D149), Short Time
Arc Resistance	194 sec	194 sec	ASTM D495
Comparative Tracking Index	600 V	600 V	

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