

Haysite 48600 Polyester SMC, 30% Glass Reinforced

Category : Polymer , Thermoset , Composite SMC , Filled/Reinforced Thermoset , Polyester, TS , Thermoset Polyester Glass SMC

Material Notes:

The 48600 series sheet molding compound is formulated with a high temperature resin system (180Â° C). Designed for compression molding, this grade offers excellent retention of physical and electrical properties after exposure to elevated temperatures.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Haysite-48600-Polyester-SMC-30-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/inÂ³	ASTM D572
Water Absorption	0.235 %	0.235 %	ASTM D570
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	90.0 MPa	13100 psi	
Flexural Strength	172 MPa	24900 psi	
Compressive Strength	103 MPa	14900 psi	
Izod Impact, Notched	10.7 J/cm	20.0 ft-lb/in	edgewise; ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	180 Â°C	356 Â°F	temperature rating

Electrical Properties	Metric	English	Comments
Dielectric Strength	17.0 kV/mm	432 kV/in	Perpendicular (ASTM D149), Short Time
Arc Resistance	100 sec	100 sec	ASTM D495

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