

Haysite 44500 Vinyl Ester SMC, 30% Glass Reinforced

Category : Polymer , Thermoset , Composite SMC , Filled/Reinforced Thermoset , Vinyl Ester , Vinyl Ester Sheet Molding Compound

Material Notes:

The 44500 series sheet molding compound offers high strength and excellent resistance to corrosive agents. This compression molding grade is formulated with a vinyl ester resin system.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Haysite-44500-Vinyl-Ester-SMC-30-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 lb/in ³	ASTM D572
Water Absorption	0.27 %	0.27 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	103 MPa	14900 psi	
Flexural Strength	310 MPa	45000 psi	
Compressive Strength	124 MPa	18000 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	130 Â°C	266 Â°F	temperature rating

Electrical Properties	Metric	English	Comments
Dielectric Strength	20.0 kV/mm	508 kV/in	Perpendicular (ASTM D149), Short Time
Arc Resistance	185 sec	185 sec	ASTM D495

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