

Haysite HCR-125 Corrosion Resistant Vinyl Ester/Glass Sheet

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

Material Notes:

A fiber glass reinforced thermoset sheet using DEREKANE® 470 vinylester in the resin matrix with flame retardant and ultraviolet inhibitors. Standard color is beige. Derakane® 470 is a registered trademark of Dow Chemical Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Haysite-HCR-125-Corrosion-Resistant-Vinyl-EsterGlass-Sheet.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	ASTM D572
Water Absorption	0.20 %	0.20 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	55	55	
Tensile Strength, Ultimate	70.0 MPa	10200 psi	
Flexural Strength	155 MPa	22500 psi	
Compressive Strength	207 MPa	30000 psi	
Izod Impact, Notched	4.30 J/cm	8.06 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Strength	16.0 kV/mm	406 kV/in	Perpendicular (ASTM D149), in Oil
Arc Resistance	180 sec	180 sec	ASTM D495

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