

Haysite HCR-125 Vinyl Ester Sheet, Corrosion Resistant

Category : Polymer , Thermoset , Vinyl Ester , Vinyl Ester Sheet Molding Compound

Material Notes:

HCR-125 is a corrosion resistant vinyl ester sheet created by impregnating fiber glass mat, synthetic surface veil, and inert additives with Derkane 470 resin and catalyst. A compression molded product is produced by controlling a chemical reaction under heat and extreme pressure. Haysite HCR-125 offers excellent strength to weight ratios in addition to their corrosion resistance. Application: HCR-125 material can be sawed, sheared, machined, and punched to any size and shape. Successful applications include: tanks, tank covers, ductwork, exhaust and fume hoods, separators, bins, fan housings, trays, hoppers, sinks, lab table tops, fume scrubbers, heat exchanger plates, filter press plates, and other applications requiring a material with excellent resistance to corrosive elements. Standard color - Beige. Information provided by Haysite

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	1.75 g/cc	1.75 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	54	54	
Tensile Strength	74.5 MPa	10800 psi	ASTM D638
Flexural Strength	167.0 MPa	24220 psi	ASTM D790
Compressive Strength	241 MPa	35000 psi	ASTM D695
Shear Strength	96.5 MPa	14000 psi	ASTM D732
Izod Impact, Notched	5.13 J/cm	9.60 ft-lb/in	ASTM D256

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

Electrical Properties	Metric	English	Comments
Dielectric Strength	13.8 kV/mm	350 kV/in	Perpendicular in Oil; ASTM D149
Dielectric Breakdown	64000 V	64000 V	Parallel, in Oil; ASTM D149
Arc Resistance	191 sec	191 sec	ASTM D495

Descriptive Properties	Value	Comments
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Descriptive Properties	Value	Comments
	45 seconds	Burning Time, ASTM D229

Contact Songhan Plastic Technology Co.,Ltd.

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