

# Haysite Plastics HCR-125

Vinyl Ester  
Haysite Reinforced Plastics

Message:

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.

General Information			
Features	Good Corrosion Resistance		
	Machinable		
Uses	Exhaust Duct Systems		
	Housings		
	Tanks		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Beige		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.75	g/cm <sup>3</sup>	ASTM D792
Water Absorption (Equilibrium)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	54		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	74.5	MPa	ASTM D638
Flexural Strength	167	MPa	ASTM D790
Compressive Strength	241	MPa	ASTM D695
Shear Strength	96.5	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	510	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength <sup>1</sup> (Oil)	14	kV/mm	ASTM D149
Arc Resistance	191	sec	ASTM D495
Dielectric Strength - in Oil <sup>2</sup>	64000	V	ASTM D149
Flame Resistance			ASTM D229
Burning Time	45.0	sec	
Ignition Time	113.0	sec	

Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
NOTE			
1.	Perpendicular		
2.	Parallel		

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Recommended distributors for this material

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