

Sheet

HCR-125

9/9/2008

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.

	<u>ASTM Test Method</u>	<u>Performance Value</u>
Water Absorption, %	D-570	.20
Specific Gravity	D-792	1.75
Barcol Hardness	D-2538	54
UL Flame Resistance	UL94	94V-0
Flammibility	D-229	
Ignition, Seconds		113
Burn, Seconds		45
Tensile Strength, PSI	D-638	10,800
Flexural Strength, PSI	D-790	24,220
Flexural Modulus x 10 ⁶	D-790	
Compressive Strength, PSI	D-695	35,000
Impact Strength, Izod ft-lb/in notch	D-256	9.6
Shear Strength	D-732	14,000
Arc Resistance, Seconds	D-495	191
Dielectric Strength, Perpendicular VPM, in Oil	D-149	350
Dielectric Strength, Parallel, kV in Oil	D-149	64

Unless otherwise indicated, all properties published are based on test performed on standard ASTM test samples and according to ASTM test methods. Values shown are for test samples made from production materials and they are believed to be conservative. No warranty is to be construed, however, in fabricated or molded form, parts may vary considerably from this standard test data. Where specific or unusual applications arise, test should be made on actual parts, and test procedures agreed upon between Haysite Reinforced Plastics and the customer.