

haysite**ENGINEERING DATA****H222****5/16/2005**

H222 is a fiberglass reinforced thermoset polyester sheet having good corrosion resistance to numerous acids and alkalis. This material also exhibits a high level of flame retardancy and low smoke generation. Typical applications for H222 are fume hood liners, weir panels for waste water treatment, and elsewhere when a cost effective general-purpose corrosion resistant material is required. Standard color is white. Sheet sizes are 36" x 72", 48" x 60", and 48" x 96". Thickness is 3/16" & 1/4".

<u>Property</u>	<u>Test Method</u>	<u>H222</u>
Specific Gravity	D-792	1.78
Water Absorption %	D-792	0.28%
Flammability UL 94 V	UL 94	V-0
Calculated Flame Spread	E-84	12.4
Flame Spread Index	E-84	10 †
Calculated Smoke Emission		184.5
Smoke Developed Index		185
Tensile Strength, PSI		
LW	D-638	9375
CW	D-638	4219
Flexural Strength, PSI		
LW	D-790	19117
CW	D-790	9846
Compressive Strength Flatwise, PSI	D-695	30422
Impact Strength Edgewise, Ft/Lbs		
LW	D-256	17.6
CW	D-256	14.5
Shear Strength, PSI	D-229	10923
Arc Resistance, Seconds	D-495	189
Dielectric Perp. In Air, VPM	D-149	331
Dielectric Strength, Parallel, KV	D-149	48.62

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.