

HTF exhibits excellent flexibility and retention of electrical properties at elevated temperatures. For use in 220° C insulation systems in dry type transformers and elsewhere where flexibility and high temperature is required. Standard color is tan. Thickness is 1/32" - 1/16". Sheet sizes are 36" x 72" and 48" x 96".

<u>Property / Units</u>	<u>ASTM Test</u>	<u>Value</u>
Specific Gravity	D-792	1.6
Density, <i>Lbs./In.³</i>	---	0.058
Water Absorption, %	D-229	1.1
Flame Resistance	UL 94	HB
Temperature Index Elec/Mech	IEEE	200° C /200° C
Tensile Strength, <i>PSI (LW)</i>	D-638	6,200
Tensile Strength, <i>PSI (CW)</i>	D-638	6,700
Compressive Strength Flatwise, <i>PSI</i>	D-695	10,800
Impact Strength, Izod <i>Ft. Lbs./In. Notch Edgewise(LW)</i>	D-256	10
Impact Strength, Izod <i>Ft. Lbs./In. Notch Edgewise(CW)</i>	D-256	9
Arc Resistance, <i>Seconds</i>	D-495	135
Dielectric Strength, Perpendicular, <i>VPM, Short time in air</i>	D-149	560
Dielectric Strength, Perpendicular, <i>VPM, Short time in oil</i>	D-149	600
Dielectric Strength, Parallel, <i>Step-by-step in oil, KV</i>	D-229	55
Dielectric Constant @ 60 Hz	D-150	5.2
Dissipation Factor @ 60 Hz	D-150	0.057

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.