

A NEMA GPO-1 grade fiberglass mat reinforced thermoset polyester molded sheet. ETS is an IEEE Class B 130° C electrical / 160° C mechanical material with good punching characteristics. Typical applications include transformer spacers and supports. Available in .032" - 2.00". Standard color - Buff. Meets Gov't Specs - LP-509, I-24768/6.

Physical	Test Method	Unit	Result
Barcol Hardness	Barcol	Scale	46
Specific Gravity	D-792		1.87
Density, <i>Lbs/In³</i>		Lbs/Cu. In.	0.067
Water Absorption, %	D-229	%	0.60
UL Flammability	UL94	Class	HB
Flame Resistance, <i>Seconds</i>			
Ignition Time	D-229	Seconds	57
Burning Time	D-229	Seconds	328
Temperature Class*	--	Degrees C	130
Mechanical			
Tensile Strength, <i>PSI</i>	D-638	PSI	10,000
Flexural Strength, <i>PSI</i>	D-790	PSI	23,000
Modulus of Elasticity in Flexure, <i>PSI</i>	D-790	PSI	1.00 x 10 ⁶
Compressive Strength, <i>PSI</i>	D-695	PSI	30,000
Bond Strength, 1/2" Thickness, <i>PSI</i>	D-229	PSI	1,250
Shear Strength, <i>PSI</i>	D-732	PSI	14,000
Impact Strength, Izod Edgewise	D-256	Ft lbs/In. Notch	8.0
Electrical			
Dielectric Strength, ⊥, Short Time In Oil 1/16", <i>VPM</i>	D-149	VPM	500
Dielectric Strength, Parallel, Step-By-Step In Oil, <i>KV</i>	D-149	KV	54.0
Arc Resistance, <i>Seconds</i>	D-495	Seconds	150
Dielectric Constant @60HZ	D-150		4.80
Dielectric Constant @1MHZ	D-150		4.30
Dissipation Factor @ 60 Hz	D-150		0.015
Dissipation Factor @ 1MHz	D-150		0.011

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.