

## Haysite ETS Glass Reinforced Polyester Sheet, Electrical Grade (GPO1)

Category : Polymer , Thermoset , Composite SMC , Filled/Reinforced Thermoset , Polyester, TS , Thermoset Polyester Glass SMC

### Material Notes:

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Haysite-ETS-Glass-Reinforced-Polyester-Sheet-Electrical-Grade-GPO1.php](http://www.lookpolymers.com/polymer_Haysite-ETS-Glass-Reinforced-Polyester-Sheet-Electrical-Grade-GPO1.php)

Physical Properties	Metric	English	Comments
Density	1.87 g/cc	0.0676 lb/inÂ³	ASTM D572
Water Absorption	0.60 %	0.60 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	46	46	
Tensile Strength, Ultimate	69.0 MPa	10000 psi	
Flexural Strength	159 MPa	23100 psi	
Flexural Modulus	6.90 GPa	1000 ksi	
Compressive Strength	207 MPa	30000 psi	
Shear Strength	97.0 MPa	14100 psi	ASTM D732
Izod Impact, Notched	4.30 J/cm	8.06 ft-lb/in	edgewise; ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 Â°C	266 Â°F	Approximate temperature class

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.3	4.3	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	4.8	4.8	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	20.0 kV/mm	508 kV/in	Perpendicular, Short Time in Oil and Air; ASTM D149
	@Thickness 1.59 mm	@Thickness 0.0625 in	

Electrical Properties Dissipation Factor	0.015 Metric	0.015 English	Comments ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.015	0.015	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Arc Resistance	150 sec	150 sec	ASTM D495

## Contact Songhan Plastic Technology Co.,Ltd.

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