

Haysite Plastics ETS

Thermoset Polyester

Haysite Reinforced Plastics

Message:

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.

General Information			
Filler / Reinforcement	Glass Fiber		
Uses	Electrical/Electronic Applications		
Agency Ratings	EC 1907/2006 (REACH)		
	FED L-P-509		
	NEMA GPO-1		
RoHS Compliance	RoHS Compliant		
UL File Number	E81893		
Appearance	Buff		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.87	g/cm ³	ASTM D792
Water Absorption (Equilibrium)	0.60	%	ASTM D229
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	46		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	68.9	MPa	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	159	MPa	ASTM D790
Compressive Strength	207	MPa	ASTM D695
Shear Strength	96.5	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	430	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (1.59 mm, Oil)	20	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
60 Hz	4.80		
1 MHz	4.30		
Dissipation Factor			ASTM D150
60 Hz	0.015		
1 MHz	0.011		
Arc Resistance	150	sec	ASTM D495

Dielectric Strength - Step-By-Step In Oil ¹	54000	V	ASTM D149
Flame Resistance			ASTM D229
Burning Time	5.5	min	
Ignition Time	1.0	min	
Bond Strength (1.27 cm)	8.62	MPa	ASTM D229
Temperature Rating	130	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
NOTE			
1.	Parallel		

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Recommended distributors for this material

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