

Haysite Plastics H755

Thermoset Polyester
Haysite Reinforced Plastics

Message:

H755 is a glass mat reinforced thermoset polyester sheet that meets or exceeds NEMA GPO-1 properties and carries a thermal index of 155°C Electrical/165°C Mechanical. H755 is designed for use in class "F" insulation systems or elsewhere when 165°C material is required. Available thicknesses - .032" - 2.00". Standard color - Ivory. Meets Gov't Specs - LP-509, I-24768/6.

General Information			
Filler / Reinforcement	Glass Fiber		
Agency Ratings	EC 1907/2006 (REACH)		
	FED L-P-509		
	NEMA GPO-1		
RoHS Compliance	RoHS Compliant		
UL File Number	E83907		
Appearance	Ivory		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm ³	ASTM D792
Water Absorption (Equilibrium)	0.35	%	ASTM D229
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	48		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	75.8	MPa	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Compressive Strength	276	MPa	ASTM D695
Shear Strength	103	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	450	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (1.59 mm, Oil)	20	kV/mm	ASTM D149
Dielectric Constant (60 Hz)	4.80		ASTM D150
Dissipation Factor (60 Hz)	0.020		ASTM D150
Arc Resistance	150	sec	ASTM D495
Dielectric Strength - Step-By-Step In Oil ¹	60000	V	ASTM D149
Flame Resistance			ASTM D229
Burning Time	3.5	min	
Ignition Time	1.7	min	
Bond Strength (1.27 cm)	8.27	MPa	ASTM D229

Temperature Rating	155	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
NOTE			
1.	Parallel		

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