

# Haysite Plastics EHC

Thermoset Polyester  
Haysite Reinforced Plastics

Message:

This IEEE Class F 155°C high strength fiberglass mat reinforced thermoset polyester material exhibits substantial resistance to cold flow or creep under heat and pressure. Suggested applications include motor slot wedges, washers, brush plates and terminal boards. Available in thicknesses - .032" - 2.00". Standard color - Brown. Meets Gov't Specs - LP-509, I-24768/6.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Creep Resistance		
	High Strength		
Uses	Electrical/Electronic Applications		
	Washer		
Agency Ratings	EC 1907/2006 (REACH)		
	FED L-P-509		
	NEMA GPO-1		
RoHS Compliance	RoHS Compliant		
UL File Number	E81893		
Appearance	Brown		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.00	g/cm <sup>3</sup>	ASTM D792
Water Absorption (Equilibrium)	0.31	%	ASTM D229
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	74		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	89.6	MPa	ASTM D638
Flexural Modulus	11800	MPa	ASTM D790
Flexural Strength	186	MPa	ASTM D790
Compressive Strength	303	MPa	ASTM D695
Shear Strength	124	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	610	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (1.59 mm, Oil)	18	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
60 Hz	4.67		


1 MHz	4.30		
Dissipation Factor			ASTM D150
60 Hz	0.019		
1 MHz	0.013		
Arc Resistance	180	sec	ASTM D495
Dielectric Strength - Step-By-Step In Oil <sup>1</sup>	62000	V	ASTM D149
Flame Resistance			ASTM D229
Burning Time	3.7	min	
Ignition Time	1.4	min	
Bond Strength (1.27 cm)	13.8	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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Recommended distributors for this material

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