

Haysite Plastics EMD

Thermoset Polyester

Haysite Reinforced Plastics

Message:

EMD is a glass mat reinforced polyester sheet designed primarily as a "slot wedge" material in large motors and generators. EMD has low weight loss at elevated temperatures and high flexural and shear strength; properties required in demanding "slot wedge" applications. Available thicknesses - .062" - 1.00". Standard color - Black.

General Information			
Filler / Reinforcement	Glass Fiber		
Uses	Electrical/Electronic Applications		
Agency Ratings	EC 1907/2006 (REACH)		
	NEMA GPO-1		
RoHS Compliance	RoHS Compliant		
UL File Number	E81893		
Appearance	Black		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.94	g/cm ³	ASTM D792
Water Absorption (Equilibrium)	0.19	%	ASTM D229
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	67		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	114	MPa	ASTM D638
Flexural Modulus	12400	MPa	ASTM D790
Flexural Strength	228	MPa	ASTM D790
Compressive Strength	359	MPa	ASTM D695
Shear Strength	123	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	590	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (1.59 mm, Oil)	17	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	4.8	min	
Ignition Time	1.3	min	
Temperature Rating	180	°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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