

Haysite H722 Polyester, Glass Reinforced

Category : Polymer , Thermoset , Polyester, TS , Thermoset Polyester Glass SMC

Material Notes:

H722 is an all-purpose GPO-1 fiberglass mat reinforced thermoset polyester molded sheet. Available in thicknesses ranging from .031" - 2.00". Standard color - Natural. Meets Gov't Specs - LP-509, I-24768/6. Information provided by Haysite

Order this product through the following link:

http://www.lookpolymers.com/polymer_Haysite-H722-Polyester-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.87 g/cc	1.87 g/cc	ASTM D792
Water Absorption	0.60 %	0.60 %	ASTM D229

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	46	46	
Tensile Strength	68.9 MPa	10000 psi	ASTM D638
Flexural Strength	124 MPa	18000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Compressive Strength	221 MPa	32000 psi	ASTM D695
Shear Strength	96.5 MPa	14000 psi	ASTM D732
Adhesive Bond Strength	8.62 MPa @Thickness 12.7 mm	1250 psi @Thickness 0.500 in	ASTM D229
Izod Impact, Notched	4.27 J/cm	8.00 ft-lb/in	Edgewise; ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	130 Â°C	266 Â°F	
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.3	4.3	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
	4.8	4.8	ASTM D150
	@Frequency 60.0 Hz	@Frequency 60.0 Hz	

Electrical Properties	Metric ¹ /mm	English ⁱⁿ	Comments
Dielectric Breakdown	54000 V	54000 V	Parallel, Step-By-Step in Oil; ASTM D149
Dissipation Factor	0.011	0.011	Perpendicular, short time in oil; ASTM D149
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	ASTM D150
	0.015	0.015	ASTM D150
	@Frequency 60.0 Hz	@Frequency 60.0 Hz	
Arc Resistance	150 sec	150 sec	ASTM D495

Descriptive Properties	Value	Comments
Flame Resistance	328 seconds	Burning Time, ASTM D229
	57 seconds	Ignition Time, ASTM D229

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