Premi-Glas® 3407

Sheet Molding Compound

PRODUCT DESCRIPTION

Glass fiber reinforced Polyester SMC used for anti-microbial applications.

GENERAL			
Material Status	• Commercial: Active, requires end-user anti-microbial license		
Availability	• North America	• South America	
Filler/Reinforcement	• Glass Fiber and mineral filler		
Features	• Non-Halogen FR technology • No SVHC's	• Antimicrobial • UL Recognized—File E69414	• Natural color only • UL94-5Va @1.5 mm
Processing Method	• This SMC product is generally intended to be compression molded in matched metal die molds, typically at 300°F (150°C) and 500 to 1,000 psi (35-65 BAR) molding pressure. Strength values may be affected by the molding process.		
Resin	• Unsaturated Polyester Composite		

PHYSICAL	Typical	Unit	Test Method
Density	1.90	g/cm^3	ASTM D792
Mold Shrinkage (RT mold/RT part)	0.0015-0.0020	in/in	ASTM D955
CLTE, X-Y plane	25	ppm/°C	ASTM E831

MECHANICAL (As molded)	Typical	Unit	Test Method
Tensile Modulus	2.3 x 10^6 (16)	psi (GPa)	ASTM D638
Tensile Strength	12,000 (83)	psi (MPa)	ASTM D638
Flexural Modulus (RT)	1.7 x 10^6 (12)	psi (GPa)	ASTM D790
Flexural Strength	30,000 (210)	psi (MPa)	ASTM D790
Tensile Strain (Break)	1.0-1.5	%	ASTM D-638

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IMPACT	Typical	Unit	Test Method
Izod Notched Impact Strength	13.5 (720)	ft-lb/in (J/m)	ASTM D256

THERMAL	Typical	Unit	Test Method
Heat Deflection Temperature	>392 (>200)	°F (°C)	ISO 75-2/Af
UL RTI, Electrical	221 (105)	°F (°C)	UL 746B
UL RTI, Mechanical with Impact	266 (130)	°F (°C)	UL 746B
UL RTI, Mechanical without Impact	266 (130)	°F (°C)	UL 746B

FLAMMABILITY	Typical	Unit	Test Method
Flammability	Pass 0.0591 (1.50)	in (mm)	UL94-5VA
Flammability	Pass 0.0591 (1.50)	in (mm)	UL94-V-0

ELECTRICAL	Typical	Unit	Test Method
Dielectric Strength	400 (16)	Volts/mil (kV/mm)	ASTM D149
Arc Track Resistance	180+	seconds	ASTM D495

UL File Number E69414

For additional information, please contact:

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