Premi-Glas® 2208-CR-SX

Sheet Molding Compound

PRODUCT DESCRIPTION

Glass fiber reinforced Polyester SMC suitable for electrical and flame retardant applications

GENERAL	
Material Status	• Commercial: Active
Availability	• North America • South America
Filler/Reinforcement	• Glass Fiber and mineral filler
Features	• Non-Halogen FR technology • Good dimensional stability • Pigmentable • UL Recognized—File E69414 • UL94-V0/5V @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	1.85	g/cm^3	ASTM D792
Mold Shrinkage (RT mold/RT part)	0.0002-0.0015	in/in	ASTM D955

MECHANICAL (As cut)	Typical	Unit	Test Method
Tensile Modulus	1.9 x 10^6 (13)	psi (GPa)	ASTM D638
Tensile Strength	12,000 (80)	psi (MPa)	ASTM D638
Flexural Modulus (RT)	1.4 x 10^6 (10)	psi (GPa)	ASTM D790
Flexural Strength	29,000 (200)	psi (MPa)	ASTM D790

IMPACT	Typical	Unit	Test Method
Izod Notched Impact Strength	16 (850)	ft-lb/in (J/m)	ASTM D256
Unnotched Impact Strength	23 (1,200)	ft-lb/in (J/m)	ASTM D4812

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THERMAL	Typical	Unit	Test Method
UL RTI, Electrical	266 (130)	°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	0.060 (1.5)	in (mm)	UL94 V-0
Flammability	0.060 (1.5)	in (mm)	UL94 5V

ELECTRICAL	Typical	Unit	Test Method
Dielectric Strength	380 (15)	Volts/mil (kV/mm)	ASTM D149
Arc Track Resistance	180+	seconds	ASTM D495
Comparative Tracking Index	600+	volts	ASTM D2303

UL File Number E69414

For additional information, please contact:

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Revision Date: April 5, 2016