

Premi-Glas[®] 2207-20 CR-SX

Sheet Molding Compound

PRODUCT DESCRIPTION

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

GENERAL

Material Status	• Commercial: Active		
Availability	• North America	• South America	
Filler/Reinforcement	• Glass Fiber and mineral filler		
Features	• Pigmentable • UL Recognized—File E69414	• Non-Halogen FR technology • UL94-5VA @1.5 mm	• (f1) - Suitable for outdoor use
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	1.85-1.90	g/cm ³	ASTM D792
Mold Shrinkage (RT mold/RT part)	0.001-0.0025	in/in	ASTM D955

MECHANICAL (As molded)

	Typical	Unit	Test Method
Tensile Modulus	1.75 x 10 ⁶ (12)	psi (GPa)	ASTM D638
Tensile Strength	9,500 (65)	psi (MPa)	ASTM D638
Flexural Modulus (RT)	1.45 x 10 ⁶ (10)	psi (GPa)	ASTM D790
Flexural Strength	27,500 (190)	psi (MPa)	ASTM D790

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IMPACT	Typical	Unit	Test Method
Izod Notched Impact Strength	15 (800)	ft-lb/in (J/m)	ASTM D256
THERMAL	Typical	Unit	Test Method
UL RTI, Electrical	266 (130)	°F (°C)	UL 746C
UL RTI, Mechanical with Impact	266 (130)	°F (°C)	UL 746C
UL RTI, Mechanical without Impact	266 (130)	°F (°C)	UL 746C
FLAMMABILITY	Typical	Unit	Test Method
Flammability	Pass 0.0060 (1.50)	in (mm)	UL94 5VA V-0
ELECTRICAL	Typical	Unit	Test Method
Dielectric Strength	400 (16)	Volts/mil (kV/mm)	ASTM D149
Arc Track Resistance	180+	seconds	ASTM D495
Comparative Tracking Index	600	volts	ASTM D2303

UL File Number E69414



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