

Premi-Glas® 1201-20

Sheet Molding Compound

PRODUCT DESCRIPTION

Glass fiber reinforced Polyester SMC suitable for sanitary ware applications such as shower bases and surrounds, bathtubs, and vanity tops.

GENERAL

Material Status	• Commercial: Active	
Availability	• North America	• South America
Filler/Reinforcement	• Glass Fiber and mineral filler	
Features	• Supports ANSI Z124.2 and CSA B45.5 requirements. • High gloss surface appearance with minimal rippling	• White and Bone standard colors • Outstanding flow
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	1.76	g/cm ³	ASTM D792
Mold Shrinkage (RT mold/RT part)	0.002	in/in	ASTM D955
CLTE, X-Y plane	25	ppm/°C	ASTM E831
CLTE, Z plane	35	ppm/°C	ASTM E831
Poisson's Ratio	0.3		ASTM D638

MECHANICAL (As cut)	Typical	Unit	Test Method
Tensile Modulus	1.5 x 10 ⁶ (10)	psi (GPa)	ASTM D638
Tensile Strength	6,500 (45)	psi (MPa)	ASTM D638
Flexural Modulus (RT)	1.5 x 10 ⁶ (10)	psi (GPa)	ASTM D790
Flexural Strength	18,500 (128)	psi (MPa)	ASTM D790

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IMPACT	Typical	Unit	Test Method
Izod Notched Impact Strength	10 (530)	ft-lb/in (J/m)	ASTM D256
Unnotched Impact Strength	13 (700)	ft-lb/in (J/m)	ASTM D4812

FLAMMABILITY	Typical	Unit	Test Method
Flame Resistance	Pass 0.12 (3.0)	in (mm)	ANSI Z124.2

MISC.	Typical	Unit	Test Method
Stain Resistance	Pass	Pass/Fail	ANSI Z124.2

For additional information, please contact:

A. Schulman Inc., Engineered Composites
3365 East Center St, Conneaut, Ohio 44030
p: 440-224-2181
f: 440-224-2766
www.aschulman.com

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