

PremierLT™ L702S

Sheet Molding Compound

PRODUCT DESCRIPTION

Glass fiber reinforced Polyester SMC suitable for transportation or structural and semi-structural applications for light-weighting

GENERAL

Material Status	• Commercial: Active	
Availability	• North America	• South America
Filler/Reinforcement	• Glass Fiber and mineral filler	
Features	• Excellent flexural strength • Very good surface profile	• Weight savings vs. standard composites • Accepts automotive primers and powder in-mold-coatings
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	1.5	g/cm ³	ASTM D792
Mold Shrinkage (RT mold/RT part)	-0.00025	in/in	ASTM D955
Glass %, Weight Fraction	38%	%	Internal Washout
CLTE, X-Y plane	13	ppm/°C	ASTM E831
CLTE, Z plane	90	ppm/°C	ASTM E831
Poisson's Ratio	0.31		ASTM D638

MECHANICAL (As cut)	Typical	Unit	Test Method
Tensile Strength	14,500 (100)	psi (MPa)	ASTM D638
Tensile Modulus	1.20 x 10 ⁶ (8.5)	psi (GPa)	ASTM D638
Flexural Modulus (RT)	1.15 x 10 ⁶ (8)	psi (GPa)	ASTM D790
Flexural Strength	32,000 (220)	psi (MPa)	ASTM D790
Tensile Elongation	1.40	%	ASTM D638

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IMPACT	Typical	Unit	Test Method
Izod Notched Impact Strength	21 (1100)	ft-lb/in (J/m)	ASTM D256
Unnotched Impact Strength	27 (1500)	ft-lb/in (J/m)	ASTM D4812

For additional information, please contact:

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