



PremierLT™ L702S
Sheet Molding Compound

Technical Data Sheet

Typical Application — Low Density Transportation/Structural

PremierLT™ L702S is a fiberglass reinforced thermoset sheet molding compound for transportation or structural and semi-structural applications where good surface appearance, high strength, and durability are required in a low density composite.

Key Features and Benefits:

- Specific gravity of 1.5 for weight savings vs. standard composites.
- Excellent flexural strength and outstanding toughness.
- Very good surface profile for highly visible painted surfaces.
- Accepts automotive primers and powder in-mold-coatings.

Typical Values. Mechanical values are for Specimens cut from Compression-Molded panels.

Properties	Test Method	Values (US)	Values (Metric)
Flexural Strength	ASTM D-790	32,000 psi	220 MPa
Flexural Modulus	ASTM D-790	1.15 x 10 ⁶ psi	8 GPa
Tensile Strength	ASTM D-638	14,500 psi	100 MPa
Tensile Modulus	ASTM D-638	1.2 x 10 ⁶ psi	8.5 GPa
Tensile Elongation	ASTM D-638	1.9%	1.9%
Notched Izod	ASTM D-256	21 ft*lb/in	1100 Joules/m
Unnotched Impact	ASTM D-4812	27 ft*lb/in	1500 Joules/m
Specific Gravity	ASTM D-792	1.50	1.50
Glass %, Weight Fraction	Premix Washout	38%	38%

This SMC product is generally intended to be compression molded in matched metal die molds, typically at 300°F (150°C) and 500 to 1000 psi (35-65 BAR) molding pressure. Strength values may be affected by the molding process. Polymerization shrinkage is an expansion of approximately 0.00025 in/in. Contact your Premix sales representative for specific design recommendations.

Following physical characteristics are typical of this product:

CLTE, XY direction: 13 ppm/deg C
CLTE, Z direction: 90 ppm/deg C
Poisson's Ratio: .31