

Technical Data Sheet

Typical Application — Composite Powertrain/Semi-structural/Corrosion

Premi-Glas® 1261-28 is a fiberglass reinforced thermoset Thick Molding Compound with proven effectiveness in a wide variety of applications. It uses a vinyl ester resin technology for optimal strength, and corrosion and heat resistance.

- Suitable for injection molding, injection-compression, or compression molding.
- Excellent resistance to automotive chemicals, salt spray, and acids.
- Replaces cast metals for reduced Noise, Vibration and Harshness.
- TMC compounding process preserves glass integrity for strength vs BMC.
- Excellent thermal properties and elevated temperature modulus retention.

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

Properties	Test Method	Values (US)	Values (Metric)
Flexural Strength	ASTM D790-1	22,000 psi	150 MPa
Flexural Modulus, tangent	ASTM D790-1	1.6 x 10 ⁶ psi	11 GPa
Tensile Strength	ASTM D638	9,500 psi	65 MPa
Compressive Strength	ASTM D695	22,000 psi	150 MPa
Unnotched Impact	ASTM D4812	17 ft*lb/in	900 Joules/m
Heat Distortion Temperature, 264 psi	ASTM D648	>520 deg F	>270 deg C
Glass Transition Temperature, Tg	ASTM D4065-01	360 deg F	182 deg C
Dielectric Strength	ASTM D149	380 Volts/mil	15 kV/mm

This TMC product may be injection, injection-compression, or compression molded in matched metal die molds, typically at 320°F (160°C) and 1000 psi molding pressure. Strength values may be affected by the molding process. Nominal values for polymerization shrinkage (0.0004 in/in) and specific gravity (1.80) may be customized for individual applications. Contact your Premix sales representative for specific design recommendations. B24

Following physical characteristics are typical of this product:

CLTE, XY direction: 25 ppm/ deg C
CLTE, Z direction: 35 ppm/deg C
Thermal Conductivity: 0.3 W/m*deg K
Poisson's Ratio: 0.3

The values presented in this data sheet are typical values and are not to be interpreted as product specifications.

All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, expressed or implied.

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