



Premi-Glas® 1261-28VE

Thick Molding Compound®

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