Premi-Glas® 1261-28VE

Vinyl Ester

Premix, Inc.

Message:

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.
Key Features and Benefits
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.

General Information	
Filler / Reinforcement	Glass Fiber
Features	Good Corrosion Resistance Good Flow Good Thermal Stability High Strength Noise Damping Vibration Damping
Uses	Automotive Under the Hood Metal Replacement
Forms	Pellets
Processing Method	Compression Molding Injection Molding

Physical	Nominal Value	Unit	
Specific Gravity	1.80	g/cm³	
Molding Shrinkage - Flow	0.040	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Compression Molded)	65.5	MPa	ASTM D638
Flexural Modulus (Compression Molded)	11000	MPa	ASTM D790
Flexural Strength (Compression Molded)	152	MPa	ASTM D790
Compressive Strength [1]	152	MPa	ASTM D695
Poisson's Ratio	0.30		
Impact	**Nominal Value**	**Unit**	**Test Method**
Unnotched Izod Impact (Compression Molded)	910	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**

Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 271	°C	ASTM D648
Glass Transition Temperature	182	°C	ASTM D4065
CLTE			
Flow	2.5E-5	cm/cm/°C	
Transverse	3.5E-5	cm/cm/°C	
Thermal Conductivity	0.30	W/m/K	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	15	kV/mm	ASTM D149
Injection	Nominal Value	Unit	
Mold Temperature	160	°C	
Injection Pressure	6.89	MPa	
NOTE			
1.	Compression Molded		

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