

# Premi-Glas® 1266

Thermoset, Unspecified

Premix, Inc.

## Message:

Premi-Glas® 1266 is a fiberglass reinforced thermoset Thick Molding Compound for composite powertrain applications such as valve covers and timing gear covers. It uses a hybrid vinyl ester/polyester resin system for an excellent combination of cost and performance.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Chemical Resistance		
	Salt Water/Spray Resistant		
Uses	Metal Replacement		
Forms	TMC - Thick Molding Compound		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.74	g/cm <sup>3</sup>	
Molding Shrinkage - Flow	0.065	%	
Water Absorption (Saturation, 23°C)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12000	MPa	ISO 527-2
Tensile Stress (Break)	40.0	MPa	ISO 527-2
Flexural Modulus - Tangent	10000	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Poisson's Ratio	0.27		
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength	10	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	> 270	°C	ISO 75-2/A
Glass Transition Temperature	204	°C	ASTM D4065
CLTE			
Flow <sup>1</sup>	2.5E-5	cm/cm/°C	
Transverse <sup>2</sup>	3.5E-5	cm/cm/°C	
Thermal Conductivity	0.40	W/m/K	
Injection	Nominal Value	Unit	
Mold Temperature	160	°C	
Injection Pressure	6.89	MPa	
NOTE			
1.	XY Direction		
2.	Z Direction		

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