

# Premi-Ject® 1102H

Thermoset, Unspecified

Premix, Inc.

## Message:

Premi-Ject® 1102H is a fiberglass reinforced thermoset bulk molding compound for coil encapsulation applications.

General Information			
Filler / Reinforcement	Glass Fiber		
UL File Number	E42524		
Appearance	Black Blue		
Forms	BMC - Bulk Molding Compound		
Processing Method	Injection Molding Resin Transfer Molding		
Physical	Nominal Value	Unit	
Specific Gravity	1.85 to 1.95	g/cm <sup>3</sup>	
Molding Shrinkage - Flow	0.050 to 0.15	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9000	MPa	ASTM D638
Tensile Strength	26.0	MPa	ASTM D638
Tensile Elongation (Break)	0.40	%	ASTM D638
Flexural Modulus	9000	MPa	ASTM D790
Flexural Strength	68.0	MPa	ASTM D790
Poisson's Ratio	0.30		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	380	J/m	ASTM D256
Unnotched Izod Impact	430	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 200	°C	ASTM D648
CLTE			
Flow <sup>1</sup>	2.5E-5	cm/cm/°C	
Transverse <sup>2</sup>	3.5E-5	cm/cm/°C	
Thermal Conductivity	0.30	W/m/K	
RTI Elec	130	°C	UL 746
RTI Imp	130	°C	UL 746
RTI Str	130	°C	UL 746
Electrical	Nominal Value	Unit	Test Method

Dielectric Strength	13	kV/mm	ASTM D149
Arc Resistance	188	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Mold Temperature	150	°C	
Injection Pressure	3.50 to 6.50	MPa	

**NOTE**

1. XY Direction
2. Z Direction

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**Recommended distributors for this material**

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