Premi-Ject® 110V-15

Thermoset, Unspecified

Premix, Inc.

Message:

Premi-Ject® 1100V-15 is a fiberglass reinforced thermoset bulk molding compound for electrical and flame retardant applications.

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Flame Retardant		
Features	Flame Retardant Good Dimensional Stability Good Thermal Stability Halogen Free		
Uses	Electrical/Electronic Applications		
UL File Number	E42524		
Forms	BMC - Bulk Molding Compound		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.70 to 1.85	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.15 to 0.35	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	14000	MPa	ASTM D638
Tensile Strength	31.0	MPa	ASTM D638
Flexural Modulus	9700	MPa	ASTM D790
Flexural Strength	95.0	MPa	ASTM D790
Poisson's Ratio	0.30		
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	370	J/m	ASTM D256
Unnotched Izod Impact	480	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
CLTE			
Flow [1]	2.5E-5	cm/cm/°C	
Transverse [2]	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	15	kV/mm	ASTM D149
Arc Resistance	180	sec	ASTM D495

Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		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		

Recommended distributors for this material

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WECHAT