

Premi-Ject® 1100V-20

Thermoset, Unspecified

Premix, Inc.

Message:

Premi-Ject® 1100V-20 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	
Specific Gravity	1.70 to 1.85	g/cm ³	
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	10000	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Poisson's Ratio	0.30		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	430	J/m	ASTM D256
Unnotched Izod Impact	530	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		

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