

Premi-Glas® 2143-24 CR-SX-HT

Thermoset, Unspecified

Premix, Inc.

Message:

Premi-Glas® 2143-24 CR-SX-HT is a fiberglass reinforced thermoset Thick Molding Compound for electrical and flame retardant applications.

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
Uses	Electrical/Electronic Applications		
UL File Number	E42524		
Forms	TMC - Thick Molding Compound		
Physical	Nominal Value	Unit	
Specific Gravity	1.70 to 1.80	g/cm ³	
Molding Shrinkage - Flow	0.15 to 0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15000	MPa	ASTM D638
Tensile Strength	82.0	MPa	ASTM D638
Flexural Modulus	10000	MPa	ASTM D790
Flexural Strength	140	MPa	ASTM D790
Poisson's Ratio	0.30		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1100	J/m	ASTM D256
Unnotched Izod Impact	1400	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	155	°C	UL 746
RTI Imp	160	°C	UL 746
RTI Str	160	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	15	kV/mm	ASTM D149
Arc Resistance	> 180	sec	ASTM D495
Comparative Tracking Index	600	V	ASTM D2303
Flammability	Nominal Value	Unit	Test Method

Flame Rating (2.50 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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