

RX® 630

Phenolic

Sumitomo Bakelite North America, Inc.

Message:

RX® 630 is a fiberglass reinforced phenolic molding compound, with good dimensional stability and good strength at elevated temperatures.

General Information			
UL YellowCard	E123472-221459		
Filler / Reinforcement	Glass Fiber		
Features	Good Dimensional Stability		
	High Temperature Strength		
Appearance	Black		
	Green		
Forms	Granules		
Processing Method	Compression Molding		
	Injection Molding		
	Resin Transfer Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.80	g/cm ³	ISO 1183
Apparent Density	0.80	g/cm ³	ISO 60
Molding Shrinkage	0.15	%	ISO 2577
Water Absorption (23°C, 24 hr)	0.050	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (E-Scale)	100		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, Compression Molded)	90.0	MPa	ISO 527-2
Flexural Modulus (Compression Molded)	19000	MPa	ISO 178
Flexural Stress (Compression Molded)	185	MPa	ISO 178
Compressive Stress	360	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (Compression Molded)	4.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			ISO 75-2/A
1.8 MPa, Unannealed	200	°C	
1.8 MPa, Annealed	> 282	°C	
CLTE - Flow	1.4E-5	cm/cm/°C	ASTM E831

Thermal Conductivity	0.60	W/m/K	ASTM C518
RTI Elec	150	°C	UL 746
RTI Imp	150	°C	UL 746
RTI Str	150	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	12	kV/mm	ASTM D149
Arc Resistance	135	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

