

Sumitomo Bakelite North America RX[®] 1366FR-P Short-Glass Reinforced Diallyl Phthalate

Category : Polymer , Thermoset , Diallyl Phthalate (DAP) , Diallyl Phthalate (DAP) Molding Compound, Short Glass Fiber Filled , Filled/Reinforced Thermoset

Material Notes:

Short glass fiber reinforced, flame retardant, diallyl ortho-phthalate molding compound which meets the requirements of ASTM D5948 Type SDG-F. Information provided by Vyncolit, a Sumitomo Bakelite Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sumitomo-Bakelite-North-America-RX-1366FR-P-Short-Glass-Reinforced-Diallyl-Phthalate.php

Physical Properties	Metric	English	Comments
Density	1.87 g/cc	0.0676 lb/in ³	Relative Density; ASTM D792
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	Compression Molding; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	82.7 MPa	12000 psi	ASTM D638
Flexural Strength	131 MPa	19000 psi	At Rupture; ASTM D790
Flexural Modulus	12.4 GPa	1800 ksi	ASTM D790
Compressive Strength	152 MPa	22000 psi	ASTM D695
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	19.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 $\text{Å}^\circ\text{C}$	10.6 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 $\text{Å}^\circ\text{F}$	ASTM E-831
Thermal Conductivity	0.320 W/m-K	2.22 BTU-in/hr-ft ² - $\text{Å}^\circ\text{F}$	ASTM C-518
Maximum Service Temperature, Air	170 - 180 $\text{Å}^\circ\text{C}$	338 - 356 $\text{Å}^\circ\text{F}$	UL 746B
Deflection Temperature at 1.8 MPa (264 psi)	204 $\text{Å}^\circ\text{C}$	399 $\text{Å}^\circ\text{F}$	As molded; ASTM D648
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	
	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	
Oxygen Index	39 %	39 %	ASTM D2863

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Dielectric Constant	3.5	3.5	Wet; ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	4.2	4.2	wet; ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	17.7 kV/mm	450 kV/in	60Hz, Step-by-Step, wet; ASTM D149
Dissipation Factor	0.010	0.010	wet; ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.016	0.016	wet; ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Arc Resistance	130 sec	130 sec	ASTM D495
Comparative Tracking Index	>= 600 V	>= 600 V	IEC 112

Descriptive Properties	Value	Comments
Color	Black, Blue, Gray, Green, Dark Green, White	
Flammability: Burning, sec	40	ASTM D229
Flammability: Ignition, sec	110	ASTM D229
Form	Granular	
Main Filler	Glass Fiber	
Molding Method	Compression, transfer, injection	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China