

RX® 3-2-530-P

Diallyl Phthalate

Sumitomo Bakelite North America, Inc.

Message:

RX® 3-2-530-P is a long glass fiber reinforced, flame retardant, diallyl meta-phthalate molding compound, which meets the requirements of ASTM D5948 Type GII-30F

General Information	
Filler / Reinforcement	Long Glass Fiber
Additive	Flame Retardant
Features	Flame Retardant
Agency Ratings	ASTM D 5948, Type GII-30F
Appearance	Brown
	Grey
Forms	Flakes
Processing Method	Compression Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.76	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.40	%	ASTM D955
Water Absorption - 48 hr (50°C)	0.35	%	ASTM D570
Flammability			ASTM D229
Burning	40.0	sec	
Ignition	110.0	sec	

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	69.0	MPa	ASTM D638
Flexural Modulus	13800	MPa	ASTM D790
Flexural Strength	131	MPa	ASTM D790
Compressive Strength	152	MPa	ASTM D695

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	160	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 260	°C	ASTM D648
CLTE - Flow	1.5E-5	cm/cm/°C	ASTM E831
RTI Elec	130	°C	UL 746
RTI Imp	130	°C	UL 746
RTI Str	130	°C	UL 746

Electrical	Nominal Value	Unit	Test Method
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Dielectric Strength	16	kV/mm	ASTM D149
Dielectric Constant ¹			ASTM D150
1 kHz	4.10		
1 MHz	3.90		
Dissipation Factor ²			ASTM D150
1 kHz	0.010		
1 MHz	0.019		
Arc Resistance	135	sec	ASTM D495
Comparative Tracking Index	> 600	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	40	%	ASTM D2863
NOTE			
1.	Wet		
2.	Wet		

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