

RX® 3-1-530-P

Diallyl Phthalate

Sumitomo Bakelite North America, Inc.

Message:

3-1-530-P is a long glass fiber reinforced, flame retardant, diallyl ortho-phthalate molding compound, which meets the requirements of ASTM D5948 Type GDI-30F.

General Information	
UL YellowCard	E123472-100709952
Filler / Reinforcement	Long Glass Fiber
Additive	Flame Retardant
Features	Flame Retardant
Agency Ratings	ASTM D 5948, Type GDI-30F
Appearance	Black
	Green
	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
Apparent Density	0.45	g/cm ³	ASTM D1895
Molding Shrinkage - Flow	0.10 to 0.40	%	ASTM D955
Water Absorption - 48 hr (50°C)	0.28	%	ASTM D570
Flammability			ASTM D229
Burning	40.0	sec	
Ignition	110.0	sec	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	70.0	MPa	ASTM D638
Flexural Modulus	20000	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Compressive Strength	140	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	170	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	260	°C	ASTM D648
CLTE - Flow	2.2E-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
Dielectric Strength	13	kV/mm	ASTM D149
Dielectric Constant ¹			ASTM D150
1 kHz	4.10		
1 MHz	3.50		
Dissipation Factor ²			ASTM D150
1 kHz	0.010		
1 MHz	0.018		
Arc Resistance	130	sec	ASTM D495
Comparative Tracking Index	> 600	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	V-0		UL 94
Oxygen Index	30	%	ASTM D2863
NOTE			
1.	Wet		
2.	Wet		

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

