

RX® 2-520

Diallyl Phthalate

Sumitomo Bakelite North America, Inc.

Message:

RX® 2-520 is a short glass fiber reinforced, non-flame retardant, diallyl meta-phthalate molding compound, which meets the requirements of ASTM D5948 Type SIG

General Information	
UL YellowCard	E123472-221397
Filler / Reinforcement	Glass Fiber
Agency Ratings	ASTM D 5948, Type SIG
Appearance	Black
	Blue
	Brown
	Green
	Red

Forms	Granules
Processing Method	Compression Molding
	Injection Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.91	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Water Absorption - 48 hr (50°C)	0.35	%	ASTM D570

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	70.0	MPa	ASTM D638
Flexural Modulus	17800	MPa	ASTM D790
Flexural Strength	120	MPa	ASTM D790
Compressive Strength	165	MPa	ASTM D695

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	27	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 260	°C	ASTM D648
CLTE - Flow	1.8E-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	14	kV/mm	ASTM D149
Dielectric Constant ¹ (1 MHz)	4.00		ASTM D150
Dissipation Factor ² (1 MHz)	0.017		ASTM D150
Arc Resistance	170	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	25	%	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



WECHAT