

Sumitomo DAP 73-70-70 V0-P

Diallyl Phthalate

Sumitomo Bakelite North America, Inc.

Message:

73-70-70 V0-P is a short glass fiber reinforced, flame retardant, diallyl ortho-phthalate molding compounds, which meet the requirements of ASTM D5948 Type SDG-F.

General Information	
UL YellowCard	E123472-221383
Filler / Reinforcement	Glass Fiber
Additive	Flame Retardant
Features	Flame Retardant
Agency Ratings	ASTM D 5948, Type SDG-F
Appearance	Black
	Blue
	Green
	Grey
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	0.20 to 0.40	%	ASTM D955
Water Absorption - 48 hr (50°C)	0.25	%	ASTM D570
Flammability - Ignition	1.9	min	ASTM D229
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	76.0	MPa	ASTM D638
Flexural Modulus	11700	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Compressive Strength	150	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 260	°C	ASTM D648
CLTE - Flow	2.1E-5	cm/cm/°C	ASTM E831
Thermal Conductivity	0.29	W/m/K	ASTM C518
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 ¹	14	kV/mm	ASTM D149
Dielectric Constant ²			ASTM D150
1 kHz	4.20		
1 MHz	3.50		
Dissipation Factor ³			ASTM D150
1 kHz	0.010		
1 MHz	0.014		
Arc Resistance	130	sec	ASTM D495
Comparative Tracking Index	> 600	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Oxygen Index	45	%	ASTM D2863
NOTE			
1.	60 Hz, Wet		
2.	Wet		
3.	Wet		

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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



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