

Sumitomo DAP 73-70-70 C-P

Diallyl Phthalate

Sumitomo Bakelite North America, Inc.

Message:

73-70-70 C-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	E123472-221379		
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 (Compression Molded)	0.20 to 0.40	%	ASTM D955
Water Absorption - 48 hr (50°C)	0.25	%	ASTM D570
Flammability			ASTM D229
Burning	15.0	sec	
Ignition	115.0	sec	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Compression Molded)	76.0	MPa	ASTM D638
Flexural Modulus (Compression Molded)	11700	MPa	ASTM D790
Flexural Strength (Compression Molded)	124	MPa	ASTM D790
Compressive Strength	150	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed, Compression Molded)	> 260	°C	ASTM D648
CLTE - Flow	2.1E-5	cm/cm/°C	ASTM E831
Thermal Conductivity	0.29	W/m/K	ASTM C177
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			ASTM D2520
1 kHz	4.20		
1 MHz	3.50		
Dissipation Factor ²			ASTM D150
1 kHz	0.010		
1 MHz	0.014		
Arc Resistance	130	sec	ASTM D495
Comparative Tracking Index	> 600	V	IEC 60112, 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.	Wet		
2.	Wet		

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