

Sumikon® AM-113

Diallyl Phthalate

SBHPP

Message:

SUMIKON® AM-113 type J black-B is a short glass fiber reinforced, flame retardant, diallyl phthalate molding compound.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
	Inorganic filler		
Features	Flame retardancy		
Appearance	Black		
Processing Method	Resin transfer molding		
	Compression molding		
	Injection molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.75	g/cm ³	JIS K6911
Molding Shrinkage - Flow	0.49	%	JIS K6911
Water absorption rate-by boiling	0.20	%	JIS K6911

Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	11000	MPa	JIS K6911
Flexural Strength	143	MPa	JIS K6911

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.7	kJ/m ²	JIS K6911

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	237	°C	JIS K6911

Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹	13	kV/mm	JIS K6911
Comparative Tracking Index	600	V	IEC 60112
Insulation Resistance			JIS K6911
	-- ²	1.0E+15	ohms
	-- ³	1.0E+14	ohms

Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.200 mm)	V-0		UL 94

NOTE			
1.	Method B (step by step)		
2.	As molded		
3.	After boiling		

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