

Sumikon® EM-63

Epoxy; Epoxide

SBHPP

Message:

SUMIKON® EM-63 type J black is a short fiberglass reinforced epoxy molding compound, with excellent dimensional stability, good strength properties and good electrical insulation properties.

General Information	
Filler / Reinforcement	Glass fiber reinforced material Inorganic filler
Features	Good dimensional stability Insulation Good strength
Appearance	Black
Processing Method	Resin transfer molding Compression molding Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.98	g/cm ³	JIS K6911
Molding Shrinkage - Flow	0.37	%	JIS K6911
Water Absorption (Equilibrium)	0.050	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	13900	MPa	JIS K6911
Flexural Strength	120	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.5	kJ/m ²	JIS K6911
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	135	°C	JIS K6911
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹	11	kV/mm	JIS K6911
Dielectric Constant (1 MHz)	5.30		JIS K6911
Dissipation Factor (1 MHz)	0.020		JIS K6911
Arc Resistance	180	sec	JIS K6911
Comparative Tracking Index	425	V	IEC 60112
Insulation Resistance			JIS K6911
-- ²	2.0E+14	ohms	JIS K6911
-- ³	1.0E+14	ohms	JIS K6911

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

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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



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