

Sumikon® EM-60

Epoxy; Epoxide
SBHPP

Message:

SUMIKON® EM-60 type JF 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	1.91	g/cm ³	JIS K6911
Molding Shrinkage - Flow	0.36	%	JIS K6911
Water Absorption (Equilibrium)	0.030	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	14900	MPa	JIS K6911
Flexural Strength	132	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	JIS K6911
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	233	°C	JIS K6911
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹	11	kV/mm	JIS K6911
Insulation Resistance			JIS K6911
-- ²	2.0E+15	ohms	JIS K6911
-- ³	4.0E+14	ohms	JIS K6911
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.0 mm)	V-0		UL 94
NOTE			
1.	Method B (step by step)		

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|----|---------------|
| 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

