

Description	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.
Main filler	Glass fiber , Inorganic filler
Resin	Epoxy
Color	Black
Molding method	Compression, Transfer, Injection

EPOXY

	Properties ¹	Typical Value ²	Unit	Method	
Physical	Specific Gravity	1.98	-	JIS K 6911	
	Water absorption	0.05	%	JIS K 6911	
	Molding shrinkage	0.37	%	JIS K 6911	
Thermal	Temperature of deflection under load	135	° C @ 1.82 MPa	JIS K 6911	
Mechanical	Flexural strength	120	MPa	JIS K 6911	
	Flexural modulus	13.9	GPa	JIS K 6911	
	Charpy impact strength notched	3.5	kJ/m ²	JIS K 6911	
Electric	Insulation resistance	As mold	2E+14	Ohm	JIS K 6911
		After boiling	1E+14	Ohm	JIS K 6911
	Dielectric strength (S/S)	11	MV/m	JIS K 6911	
	Tracking resistance (CTI)	425	V	IEC Pub.112	
	Dielectric constant	5.3	- @1MHz	JIS K 6911	
	Dielectric dissipation factor	0.02	- @1MHz	JIS K 6911	
	Arc resistance	180	Sec	JIS K 6911	

¹ Properties measured on transfer molded test specimens.

² The above values are typical values, not guaranteed.