

Sumikon® TM-4125

Thermoset Polyester

SBHPP

Message:

SUMIKON® TM-4125 (Type J Black) is Glass fiber and Inorganic filler filled Unsaturated Polyester polymer molding compound with good electronic property and heat resistance. This grade is official registered UL with V-0 (t=0.75).

General Information	
Filler / Reinforcement	Glass fiber reinforced material Inorganic filler
Features	Good electrical performance Heat resistance, medium
RoHS Compliance	RoHS compliance
Appearance	Black
Processing Method	Resin transfer molding Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90	g/cm ³	JIS K6911
Molding Shrinkage - Flow	0.71	%	JIS K6911
Water absorption rate-by boiling	0.27	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	11300	MPa	JIS K6911
Flexural Strength	91.0	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.4	kJ/m ²	JIS K6911
Electrical	Nominal Value	Unit	Test Method
Arc Resistance	188	sec	JIS K6911
Comparative Tracking Index	600	V	IEC 60112
Insulation Resistance			JIS K6911
-- 1	4.0E+13	ohms	JIS K6911
-- 2	4.0E+10	ohms	JIS K6911
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.75 mm)	V-0		UL 94

NOTE	
1.	As molded
2.	After boiling

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Recommended distributors for this material

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