

Sumikon® X6952

Phenolic
SBHPP

Message:

SUMIKON® X6952 Type Black is a glass fiber reinforced phenolic molding compound with superior mechanical properties : highest impact and excellent retention of mechanical properties at elevated temperatures.

General Information	
Filler / Reinforcement	Glass fiber reinforced material
Features	Impact resistance, high
RoHS Compliance	RoHS compliance
Appearance	Black
Processing Method	Resin transfer molding Compression molding Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.74	g/cm³	JIS K6911
Molding Shrinkage - Flow	0.33	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	140	MPa	JIS K6911
Flexural Modulus	18400	MPa	JIS K6911
Flexural Strength	260	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m²	JIS K6911
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	220	°C	JIS K6911
Electrical	Nominal Value	Unit	Test Method
Insulation Resistance			JIS K6911
-- 1	3.0E+12	ohms	JIS K6911
-- 2	4.0E+11	ohms	JIS K6911

NOTE	
1.	As molded
2.	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

