

Sumikon® X655

Phenolic

SBHPP

Message:

SUMIKON® X655 is a glass fiber and mineral filled phenolic molding compound with excellent dimensional stability and high electrical insulation properties.

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.08	g/cm ³	JIS K6911
Molding Shrinkage - Flow	0.11	%	JIS K6911
Water Absorption (Equilibrium)	0.030	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	75.0	MPa	JIS K6911
Flexural Modulus	27500	MPa	JIS K6911
Flexural Strength	205	MPa	JIS K6911
Compressive Strength	250	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)	230	°C	JIS K6911
CLTE - Flow	1.8E-5	cm/cm/°C	TMA
Electrical	Nominal Value	Unit	Test Method
Insulation Resistance			JIS K6911
-- 1	8.0E+11	ohms	JIS K6911
-- 2	2.0E+10	ohms	JIS K6911
NOTE			
1.	As molded		

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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

