

# Sumikon® RX-6552S

Phenolic  
SBHPP

## Message:

SUMIKON® RX-6552S Type Green is a Short Glass fiber & Mineral molding compound based on Phenolic Novolac polymer. It is supplied in the form of Granular/Molding Powder for Molding.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
	Mineral filler		
Appearance	Green		
Forms	Powder		
	Particles		
Processing Method	Resin transfer molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm <sup>3</sup>	JIS K6911
Molding Shrinkage - Flow	0.24	%	JIS K6911
Water Absorption (Equilibrium)	0.060	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	121	MPa	JIS K6911
Flexural Modulus	18100	MPa	JIS K6911
Flexural Strength	246	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.6	kJ/m <sup>2</sup>	JIS K6911
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	241	°C	JIS K6911
Electrical	Nominal Value	Unit	Test Method
Insulation Resistance			JIS K6911
-- 1	1.0E+12	ohms	JIS K6911
-- 2	3.0E+11	ohms	JIS K6911
NOTE			
1.	As molded		
2.	After boiling		

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Recommended distributors for this material

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