

# Sumikon® PM-TX115

Phenolic

SBHPP

Message:

SUMIKON PM-TX115 is a Heat dissipative themoset molding compounds, Electrical insulative based on Phenolic polymer. It is supplied in the form of Granular/Molding Powder for Molding.

General Information			
Filler / Reinforcement	Inorganic filler		
Features	Insulation		
Appearance	Black		
Forms	Powder		
	Particles		
Processing Method	Resin transfer molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.10	g/cm <sup>3</sup>	JIS K6911
Molding Shrinkage - Flow	0.27	%	JIS K6911
Water Absorption (Equilibrium)	0.13	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	19000	MPa	JIS K6911
Flexural Strength	115	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0	kJ/m <sup>2</sup>	JIS K6911
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	246	°C	JIS K6911
Thermal Conductivity	1.5	W/m/K	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength <sup>1</sup>	8.0	kV/mm	JIS K6911
Arc Resistance	188	sec	JIS K6911
Comparative Tracking Index	200	V	IEC 60112
Insulation Resistance			JIS K6911
-- <sup>2</sup>	1.0E+12	ohms	JIS K6911
-- <sup>3</sup>	1.0E+11	ohms	JIS K6911
NOTE			
1.	Method B (step by step)		
2.	As molded		
3.	After boiling		

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