

# Sumikon® PM-725 (Type: JZ Black)

Phenolic

SBHPP

### Message:

SUMIKON PM-725 Type JZ Black is a Graphite & Short Glass fiber 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
	Graphite fiber reinforced material
Appearance	Black
Forms	Powder
	Particles
Processing Method	Resin transfer molding
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.69	g/cm <sup>3</sup>	JIS K6911
Molding Shrinkage - Flow	0.28	%	JIS K6911
Water Absorption (Equilibrium)	0.040	%	JIS K6911
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	48.0	MPa	JIS K6911
Flexural Strength	74.0	MPa	JIS K6911
Compressive Strength	146	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.3	kJ/m <sup>2</sup>	JIS K6911
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	173	°C	JIS K6911

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