Technical Data Sheet

SUMIKON® PM

SUMITOMO BAKELITE CO.,LTD.

Engineering Thermosetting Material

SUMIKON® PM-9640

Type: JR Black

PHENOLIC

Description	SUMIKON® PM-9640 (Type JR Black) is Glass fiber filled novolac resin molding compound with good mechanical property and heat resistance. This grade is official registered UL with V-0 (t=1.6) .
Main filler	Glass fiber
Resin	Novolac
Color	Black
Molding method	Injection , Transfer

	Properties [1]		Typical Value [2]	Unit	Method
Physical	Specific Gravity		1.77	-	JIS K 6911
	Water absorption		0.07	%	JIS K 6911
	Molding shrinkage		0.28	%	JIS K 6911
	Rockwell hardness		120	M Scale	ASTM D-785
Thermal	Temperature of deflection under load		215	° C @ 1.82 MPa	JIS K 6911
	UL-flammability		V-0 (1.6)	- (mm)	UL94 based
Mechanical	Flexural strength		224	MPa	JIS K 6911
	Flexural modulus		16.1	GPa	JIS K 6911
	Tensile strength		141	MPa	JIS K 6911
	Compressive strength		278	MPa	JIS K 6911
	Charpy impact strength notched		5.2	kJ/m²	JIS K 6911
Electric	Insulation resistance	As mold	3E+11	Ohm	JIS K 6911
		After boilding	1E+11	Ohm	JIS K 6911
	Dielectric strength (S/S)		17	MV/m	JIS K 6911
	Tracking resistance (CTI)		-	V	IEC 60112
	Arc resistance		-	Sec	JIS K 6911

RoHS : This grade is in compliance with RoHS

[1] Properties measured on transfer molded test specimens.
[2] The above values are typical values, not guaranteed.

The information presented in this document is provided in good faith, but no warranty is given or is to be implied regarding its accuracy or relevance to any particular application. Users must satisfy themselves regarding the suitability and safety of their use of the information and products in the application concerned.

www.sbhpp.com
Sumitomo Bakelite Co., Ltd. Tel. +81-3-5462-4118
2-5-8 Higashi-shinagawa, Shinagawa-ku. Tokyo 140-0002 Japan