

**Engineering Plastics Material** 

## SUMIKON<sup>®</sup> FM SUMITOMO BAKELITE CO., LTD.

## SUMIKON<sup>®</sup> FM-MK-120E Type: Black

	SUMIKON® FM-MK-120E is Glass fiber and inorganic filler filled Poly - phenylene sulfide molding compound with good mechanical. This grade is official registered UL with V-0 (t=1.6). property grade. Glass fiber, Inorganic filler
Main filler	Glass fiber, Inorganic filler
Resin Poly phenylene sulfide	
Color	Black
Molding method	Injection

	Properties <sup>1</sup>	Typical Value <sup>2</sup>	Unit	Method
cal	Specific Gravity	1.87	-	ASTM D792
	Molding shrinkage(MD/ TD)	0.2/0.4	%	SB method
Physical				
Thermal	Temperature of deflection under load	260<	°C @ 1.82 MPa	ASTM D648
	Coefficient of thermal expansion[MD/TD]	20/26	ppm	ТМА
	UL-flammability	V-0 (1.6)	- (mm)	UL94 based
Mechanical	Flexural strength	158	MPa	ASTM D790
	Flexural modulus	16	GPa	ASTM D790
	Tensile strength	95	MPa	ASTM D638
Electric				

RoHS : This grade is in compliance with RoHS

<sup>1</sup> Properties measured on injection molded test specimens.

<sup>2</sup> The above values are typical values, not guaranteed.

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