

KOPPS® S23G40BL

Polyphenylene Sulfide

Kolon Plastics, Inc.

Message:

KOPPS® S23G40BL is a polyphenylene sulfide (PPS) product, which contains a 40% glass fiber reinforced material. It is available in North America, Latin America, Europe or Asia Pacific. The main characteristics are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Physical	Nominal Value	Unit	Test Method
Density	1.65	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Transverse flow	1.1	%	ISO 294-4
Flow	0.25	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.020	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	175	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.8	%	ISO 527-2
Flexural Modulus (23°C)	14500	MPa	ISO 178
Flexural Stress (23°C)	260	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	265	°C	ISO 75-2/A
Melting Temperature	285	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	IEC 60093
Comparative Tracking Index	160	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.8 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	120 - 130	°C	
Drying Time - Desiccant Dryer	3.0 - 5.0	hr	
Suggested Max Moisture	< 0.050	%	
Rear Temperature	230 - 250	°C	
Middle Temperature	290 - 310	°C	
Front Temperature	290 - 310	°C	
Nozzle Temperature	300 - 320	°C	

Mold Temperature

120 - 140

°C

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Recommended distributors for this material

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