KOPPS® S13G40BL

Polyphenylene Sulfide

Kolon Plastics, Inc.

Message:

KOPPS®S13G40BL 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.
Features include:
flame retardant/rated flame
ROHS certification
high liquidity
Good dimensional stability
Heat resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Features	Good dimensional stability High liquidity Heat resistance, high Self-extinguishing		
RoHS Compliance	RoHS compliance		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.65	g/cm³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	0.25	%	ASTM D955
Transverse flow	0.22	%	ISO 294-4
Flow	0.14	%	ISO 294-4
Water Absorption			
23°C, 24 hr	0.040	%	ISO 62
Balanced, 23°C, 60% RH	0.020	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness			
Class r	122		ASTM D785
R scale	118		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			
23°C	157	MPa	ASTM D638
23°C	165	MPa	ISO 527-2
Tensile Elongation			
Fracture, 23°C	4.0	%	ASTM D638
Fracture, 23°C	1.8	%	ISO 527-2
Flexural Modulus			

23°C	13200	MPa	ASTM D790
23°C	13500	MPa	ISO 178
Flexural Strength			
23°C	245	MPa	ASTM D790
23°C	250	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	8.0	kJ/m^2	ISO 179/1eA
Notched Izod Impact (23°C)	78	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	265	°C	ASTM D648, ISO 75-2/A
Melting Temperature	285	°C	ISO 11357-3, ASTM D3418
CLTE - Flow	2.2E-4	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+16	ohms·cm	IEC 60093
Dielectric Strength	16	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	4.00		ASTM D150
Arc Resistance	120	sec	ASTM D495
Comparative Tracking Index	170	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	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China


WECHAT