

Polygen SG6C-BK

Polyphenylene Sulfide

Shanghai Polygen Science and Technology Co., Ltd.

Message:

30% chopped glass fiber reinforced PPS, high flow, balanced mechanical properties, outstanding chemical resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	High liquidity		
	Good chemical resistance		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.55	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Transverse flow	0.70	%	ISO 294-4
Flow	0.40	%	ISO 294-4
Water Absorption (Saturation, 23°C)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	125	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	10000	MPa	ISO 178
Flexural Stress	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	10	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	260	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120 - 140	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	290 - 320	°C	
Mold Temperature	130 - 150	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

