

Polygen SC75C-BK

Polyphenylene Sulfide

Shanghai Polygen Science and Technology Co., Ltd.

Message:

glass/mineral filled PPS, improved strength, high flow, dimensional stability, excellent heat and chemical resistance, high CTI

General Information			
Filler / Reinforcement	Glass \Mineral		
Features	Good dimensional stability		
	Good strength		
	High liquidity		
	Good chemical resistance		
	Heat resistance, high		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.89	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Transverse flow	0.40	%	ISO 294-4
Flow	0.20	%	ISO 294-4
Water Absorption (Saturation, 23°C)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	140	MPa	ISO 527-2
Tensile Strain (Break)	1.2	%	ISO 527-2
Flexural Modulus	16000	MPa	ISO 178
Flexural Stress	220	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	8.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	265	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	200	V	IEC 60112
Flammability	Nominal Value	Unit	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	

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