Polygen SC75D

Polyphenylene Sulfide

Shanghai Polygen Science and Technology Co., Ltd.

Message:

glass/mineral filled PPS, lower cost, good strength, dimensional stability, excellent heat and chemical resistance

General Information			
Filler / Reinforcement	Glass \Mineral		
Features	Good dimensional stability Good strength Good chemical resistance Heat resistance, high		
Appearance	Natural color		
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	120	MPa	ISO 527-2
Tensile Strain (Break)	1.2	%	ISO 527-2
Flexural Modulus	18000	MPa	ISO 178
Flexural Stress	210	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	7.0	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	175	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	

Recommended distributors for this material

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