

SINOF P140T-04

Polyphenylene Sulfide

SINOF HI-TECH MATERIAL CO. LTD

Message:

Advanced 40% fiberglass reinforced PPS compound

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Appearance	Black		
	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.65	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	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	175	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	11500	MPa	ISO 178
Flexural Stress	250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength	15	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	265	°C	ISO 75-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	5.0E+16	ohms·cm	ISO 167
Dielectric Strength	16	kV/mm	ASTM D149
Dielectric Constant	3.80		ASTM D150
Dissipation Factor	2.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	290 to 330	°C	
Mold Temperature	120 to 150	°C	

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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



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