China PPS hFR52

Polyphenylene Sulfide

Sichuan Deyang Chemical Co., Ltd

Message:

PPS-hFR52 is filled PPS compound, which is filled with mineral based on the PPS resin. It shows high rigidity, creep resistance, high-temperature resistance, inherent flame resistance, chemical resistance, excellent electrical insulation properties, arc resistance, low water absorption, easy processing, low mold shrinkage, good dimensional stability, and radiation resistance. Its colour is offwhite.
Owing to its high performance and light colour, it's an excellent selection for outer decorating parts with high temperature resistance in electronic, electric and medical industry. Such as: outer shells of electric appliances, salvers, high-temperature disinfecting instruments, etc.

General Information			
Filler / Reinforcement	Mineral filler		
Features	Good dimensional stability Rigidity, high Insulation Anti-arc Anti-gamma radiation Workability, good Good creep resistance Good chemical resistance Heat resistance, high Low shrinkage Low or no water absorption Flame retardancy		
Uses	Electrical/Electronic Applications Home appliance components Medical/nursing supplies Decorative parts		
Appearance	White-like		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.80	g/cm³	Internal method
Molding Shrinkage - Flow	0.25	%	Internal method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	109	MPa	Internal method
Tensile Elongation (Break)	1.7	%	Internal method
Flexural Modulus	15500	MPa	Internal method
Flexural Strength	175	MPa	Internal method
Impact	**Nominal Value**	**Unit**	**Test Method**

Notched Izod Impact	7.0	kJ/m²	Internal method
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	267	°C	Internal method
Melting Temperature	282	°C	Internal method
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.3E+15	ohms	Internal method
Volume Resistivity	1.0E+17	ohms·cm	Internal method
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	V-0		Internal method
Injection	**Nominal Value**	**Unit**	
Drying Temperature	110 - 140	°C	
Drying Time	3.0 - 5.0	hr	
Rear Temperature	270 - 290	°C	
Middle Temperature	300 - 320	°C	
Front Temperature	300 - 320	°C	
Nozzle Temperature	290 - 320	°C	
Processing (Melt) Temp	160 - 180	°C	
Mold Temperature	100 - 150	°C	
Injection Pressure	50.0 - 100	MPa	
Back Pressure	0.100 - 1.00	MPa	
Screw Speed	40 - 100	rpm	

Injection instructions

Processing time: 4 to 8hr

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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WECHAT