China PPS PTFE-hGR312

Polyphenylene Sulfide

Sichuan Deyang Chemical Co., Ltd

Message:

PPS/PTFE-hGR312 is lubricant PPS compound, which is filled with glass fiber, PTFE and ingredients based on the PPS resin. It shows abrasive resistance, solvent resistance and good mechanic prosperity, high modulus, creep resistance, high-temperature resistance, inherent flame resistance, easy processing, low mold shrinkage.
Owing to its high performance, it's widely used in chemical and medical industry for making wearing pieces in corrosive solvent condition of high temperature, high pressure and corrosive solvent. It also can be used to make plastic axle sleeve, axle bearing and slide block in mechanical industry.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	PTFE lubricant		
Features	Solvent resistance Workability, good Good creep resistance Good wear resistance Good wear resistance Heat resistance, high Lubrication Low shrinkage Flame retardancy		
Uses	Industrial application Medical/nursing supplies		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.55	g/cm³	Internal method
Molding Shrinkage - Flow	0.25	%	Internal method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness [1]	100		Internal method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	115	MPa	Internal method
Tensile Elongation (Break)	1.7	%	Internal method
Flexural Modulus	8400	MPa	Internal method
Flexural Strength	164	MPa	Internal method
Coefficient of Friction	0.21		Internal method
Abrasion - Width	7	mm	Internal method
Abrasion Loss [2]	4.1	mg	Internal method
Impact	**Nominal Value**	**Unit**	**Test Method**

Notched Izod Impact	8.6	kJ/m²	Internal method
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	265	°C	Internal method
Melting Temperature	281	°C	Internal method
Flammability	**Nominal Value**		**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	°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: 2 to 8hr			
NOTE			
1.	HR		
2.	120 min		

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