China PPS hGR40 DL/hGR41 DL

Polyphenylene Sulfide

Sichuan Deyang Chemical Co., Ltd

Message:

Low Chlorine type of 40% GF reinforced PPS compounds. PPS-hGR40 DL(natural color) and PPS-hGR41 DL (black) is 40% glass fiber reinforced PPS compound, which is filled with glass fiber based on the PPS resin. The characteristic of PPS compounds includes good mechanical properties, high creep resistance, high temperature resistance, friction resistance, flame resistance, chemical resistance, excellent electrical insulation properties, arc resistance, low mold shrinkage, easy processing good dimensional stability, and radiation resistance.

It is specially used in E/E industry which requires the chlorine content. Owing to its high performance, it is widely used in space aviation, chemical, electronic/electric, mechanical industry, automobile, railway fields etc. It can be used to make elements where high temperature resistance, electrical insulation are all important in aviation; anticorrosion valves and electrical insulating parts; precise plugs, outer shells and high temperature resistant contactors; electric parts, terminal and switch; carburetor, distributor, igniter, slide block, gears, thermocouple, piston rings with requirement of high temperature resistance and precision dimension; hot-air tube, crisping iron, hair curler, coffeepot.

General Information					
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight				
Features	Chlorine Free				
	Good dimensional stability	/			
	Low friction coefficient				
	Insulation				
	Anti-arc				
	Anti-gamma radiation				
	Workability, good				
	Good creep resistance				
	Good chemical resistance				
	Heat resistance, high				
	Low shrinkage				
	Flame retardancy				
Uses	Large household appliances and small household appliances				
	Electrical/Electronic Applications				
	Electrical components				
	Aircraft applications				
	Industrial application				
	Application in Automobile	Field			
Appearance	Black				
	Natural color				
Processing Method	Injection molding				
Physical	Nominal Value	Unit	Test Method		
Density	1.70	g/cm³	Internal method		
Molding Shrinkage			Internal method		

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Back Pressure 0.100 - 1.00 MPa Screw Speed 40 - 100 rpm	Injection Pressure	50.0 - 100	MPa	
Screw Speed 40 - 100 rpm	Injection Rate	Moderate		
	Back Pressure	0.100 - 1.00	MPa	
Injection instructions	Screw Speed	40 - 100	rpm	
	Injection instructions			

Processing time: 4 to 16 hrMetal inserts should be preheated: Temperature: 130 to 140°C, Time: 1 hr (constant temperature)

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