

China PPS hx

Polyphenylene Sulfide

Sichuan Deyang Chemical Co., Ltd

Message:

PPS-hx is newly developed toughing PPS compound which possess excellent impact resistance property as well as chemical resistance, solvent resistance, electrical insulation properties and high-temperature resistance. Its colour is ivory white. And it can be colored easily. Besides this, it can be compounded for other products.

Owing to its excellent impact resistance, it can be used to make sealed parts, electrical wire and cable, automotive under-the-hood parts, lining of the fuel pipes, industrial fiber production appliances. It also can be used to make colored insulating material of electrical wire.

General Information			
Additive	Impact modifier		
Features	Ultra high toughness		
	Impact modification		
	Low smoke		
	Insulation		
	Impact resistance, high		
	Good chemical resistance		
	Heat resistance, high		
Uses	Lining		
	Wire and cable applications		
	Industrial application		
	Home appliance components		
	Car interior equipment		
	Fiber		
Appearance	White		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	Internal method
Melt Mass-Flow Rate (MFR)	130	g/10 min	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	50.0	MPa	Internal method
Tensile Elongation (Break)	43	%	Internal method
Flexural Modulus	2400	MPa	Internal method
Flexural Strength	80.0	MPa	Internal method
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	40	kJ/m ²	Internal method
Unnotched Izod Impact Strength	140	kJ/m ²	Internal method
Thermal	Nominal Value	Unit	Test Method

Melting Temperature	285	°C	Internal method
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+17	ohms	Internal method
Volume Resistivity	2.5E+13	ohms·cm	Internal method
Dielectric Strength	18	kV/mm	Internal method
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		Internal method
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 100	°C	
Drying Time	3.0	hr	
Rear Temperature	220 - 260	°C	
Middle Temperature	290 - 310	°C	
Front Temperature	300 - 320	°C	
Nozzle Temperature	290 - 320	°C	
Processing (Melt) Temp	160	°C	
Mold Temperature	80.0 - 140	°C	
Injection Pressure	60.0 - 70.0	MPa	
Injection instructions			

Processing time: 2 to 8hr

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