


Product Information
PPS P265HP
Glass & mineral fiber Reinforced Polyphenylene Sulfide

	Characteristics	High temperature resistance, flame-retardant and excellent dimensional stability.		
	Applications	Framework, supporter, brush holder of electron device, sliding sleeve bearing of automobile, etc.		
Properties (23°C)	Typical Value^[1]	Unit	Test Method	
Mechanical				
Tensile Stress	160	MPa	ISO 527	
Tensile Strain	0.5	%	ISO 527	
Flexural Stress	250	MPa	ISO 178	
Flexural Modulus	22000	MPa	ISO 178	
Izod Impact Strength (Notched)	7	kJ/m ²	ISO 180	
Thermal				
HDT (1.8MPa, 120°C/h)	265	°C	ISO 75	
Electrical				
Volume Resistivity	1E14	Ohms·cm	IEC 60093	
Electric Strength	28	KV/mm	IEC 60243	
Dielectric constant	5.0	23°C, 1MHz	IEC 60250	
Dielectric Loss Angle	0.002	23°C, 1MHz	IEC 60250	
Other				
Density	1.96	g/cm ³	ISO 1183	
Water uptake	0.02	%	ISO 62	
Flammability	V-0	Class	UL-94	
Mold Shrinkage (MD)	0.2	%	ISO 294	
Mold Shrinkage (TD)	0.6	%	ISO 294	
Molding Process^[2]				
Drying Condition	Temperature		120-140°C	
	Time		4-6h	
Mold Temperature	130-150°C			
Barrel Temperature	Nozzle	Front	Middle	Rear
	300-310°C	300-310°C	290-310°C	290-300°C

Note: [1] These figures are only intended as a guide and should not be used in preparing specifications.

[2] The molding process is only for reference and can be adjusted according to different models and products.