

PPS P265

Glass & mineral fiber Reinforced Polyphenylene Sulfide

	Characteristics	High temperature resistance, flame-retardant and excellent dimensional stability.		
	Applications	Step motor, brush holder of electron device, fog lamp reflector bowl of automobile, etc.		
Properties (23℃)	Typical Value ^[1]		Unit	Test Method
Mechanical				
Tensile Stress	130		MPa	ISO 527
Tensile Strain	0.5		%	ISO 527
Flexural Stress	220		MPa	ISO 178
Flexural Modulus	22000		MPa	ISO 178
Izod Impact Strength (Notched)	6		kJ/m ²	ISO 180
Thermal				
HDT (1.8MPa, 120℃/h)	265		℃	ISO 75
Electrical				
Volume Resistivity	1E14		Ohms·cm	IEC 60093
Electric Strength	28		kV/mm	IEC 60243
Dielectric constant	5.0		23℃、 1MHz	IEC 60250
Dielectric Loss Angle	0.002		23℃、 1MHz	IEC 60250
Other				
Density	2.04		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℃
	Time			4-6h
Mold Temperature	130-150 ℃			
Barrel Temperature	Nozzle	Front	Middle	Rear
	300-310℃	300-310℃	290-310℃	290-300℃

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.