


Product Information

Product Information		P140		
	Introduction	Glass fiber reinforced PPS resin, flame retardancy, wear-resistance and corrosion resistance		
	Characteristic	Excellent mechanical property, weld strength and secondary processing performance		
	Application	IC card slot, chip carrier, axes for step motor, pump impeller, fuel pump module and navigation systems, etc.		
Properties (23 °C)	Typical Value	Unit	Test Method	
Physical				
Mold Shrinkage (MD)	0.3	%	ISO 2577	
Mold Shrinkage (TD)	0.7	%	ISO 2577	
Mechanical				
Tensile Strength	180	MPa	ISO 527-1/-2	
Elongation at Break	2.7	%	ISO 527-1/-2	
Flexural Strength	260	MPa	ISO 178	
Flexural Modulus	14,000	MPa	ISO 178	
Notched Izod Impact Strength	13.0	kJ/m ²	ISO 180	
Thermal				
Heat Distortion Temperature(1.8MPa)	260	°C	ISO 75-1/-2	
Flammability	V-0	Class	UL94	
Electrical				
Volume Resistivity	4E16	Ohm cm	IEC 60093	
Molding Process				
Drying Condition	Temperature		120-150 °C	
	Time		4-6h	
Mold Temperature	120-150 °C			
Barrel Temperature	Nozzle	Forepart	Mid-piece	End-piece
	300-330 °C	290-310 °C	310-330 °C	300-310 °C
Injection Pressure	80-100MPa			
Injection Speed	Medium speed			