

# FS8100PPS-GF

Advanced PPS Material suits industrial application in high-temperature environment

## Key Features:

- > High resistance to thermal deformation
- > Excellent chemical resistance, low water absorption
- > Excellent electrical insulation
- > Flame retardant

## Example Applications:

- > Parts with high mechanical properties and heat resistance
- > Industrial prototypes and series production
- > Automotive applications such as engine parts

### [ Technical Data ]

<b>General Properties</b>	<b>Bulk Density</b>	0.57 g/cm <sup>3</sup>
	<b>Part Density</b>	1.47 g/cm <sup>3</sup>
	<b>Color</b>	Canary yellow
<b>Thermal Properties</b>	<b>Melting Point (10°C/min)</b> <small>ISO 11357-1:2020</small>	276 °C
	<b>Heat Deflection Temp(HDT) @1.8 MPa</b> <small>ISO 78-1:2020</small>	170 °C
	<b>Heat Deflection Temp(HDT) @0.45 MPa</b> <small>ISO 78-1:2020</small>	210 °C
<b>Mechanical Properties</b>	<b>Tensile Strength</b> <small>ISO 527-1:2019</small>	55 MPa
	<b>Tensile Modulus</b> <small>ISO 527-1:2019</small>	5000 MPa
	<b>Elongation at Break</b> <small>ISO 527-1:2018</small>	1.4%
	<b>Flexural Strength</b> <small>ISO 178:2019</small>	80 MPa
	<b>Flexural Modulus</b> <small>ISO 178:2019</small>	5000 MPa
	<b>Izod Impact Strength (notched)</b> <small>ISO 180:2019</small>	2.5 KJ/m <sup>2</sup>
	<b>Izod Impact Strength (unnotched)</b> <small>ISO 180:2019</small>	8 KJ/m <sup>2</sup>

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Wire Collector  
System: ST252P



IR Sensor Holder  
System: ST252P

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