

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]

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

Disclaimer: Many factors may affect the performance characteristics of products. We recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. Farsoon makes no warranties of any type, express or implied, including but not limited to, the warranties of merchantability or fitness for a particular use. This also applies regarding the consideration of possible intellectual property rights as well as laws and regulations. Farsoon reserves the right to change the technical data without notice. Farsoon®, Buildstar®, Makestar® are registered trademarks of Farsoon Technologies. Last Change: 2022-08



Wire Collector
System: ST252P



IR Sensor Holder
System: ST252P

www.farsoon.com