

PPS-TF filament

Technical Data Sheet

Features	Application
<ul style="list-style-type: none"> ● High strength ● Impact modified ● Heat-resistant ● Low water uptake 	<ul style="list-style-type: none"> ● Cultural and creative ● Toys ● Gifts ● Industrial

Physical	Typical Value	Unit	Method	Test Condition
Density	1.38	g/cm ³	ASTM D1505	23°C
Melt Flow Rate	38	g/10min	ASTM D1238	300°C/2.16KG

Mechanical	Typical Value	Unit	Method	Test Condition
Tensile Strength	50	MPa	ASTM D638	50mm/min
Elongation at Break	5	%	ASTM D638	50mm/min
Flexural Strength	83	MPa	ASTM D790	5mm/min
Flexural Modulus	2300	MPa	ASTM D790	5mm/min
Notched Izod Impact Strength	30	J/m	ASTM D256	23°C

Thermal	Typical Value	Unit	Method	Test Condition
Melting Temperature	300	°C	DSC	10°C/min
Heat Deflection Temperature	180	°C	ASTM D648	120°C/h, 0.45MPa
Printing Temperature	320	°C	/	/
Bed Temperature	120	°C	/	/
Chamber Temperature	70	°C	/	/

Notice: The data contained in this document is based on trials carried out by our Research Centers. Properties are dependent upon process conditions and machine used, so these figures are only given for information.