



# PPS-TF filament

## Technical Data Sheet

Features	Application
High strength Impact modified Heat-resistant Low water uptake	Cultural and creative Toys Gifts Industrial

Physical	Typical Value	Unit	Method	Test Condition
Density	1.38	g/cm <sup>3</sup>	ASTM D1505	23
Melt Flow Rate	38	g/10min	ASTM D1238	300 /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

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

**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.