

# PA-CF Filament

## Technical Data Sheet

Features	Application
<ul style="list-style-type: none"> <li>• Carbon fiber reinforced</li> <li>• High strength</li> <li>• Low odour</li> <li>• Easy processing</li> </ul>	<ul style="list-style-type: none"> <li>• Cultural and creative</li> <li>• Toys</li> <li>• Gifts</li> <li>• Industrial</li> </ul>

Physical	Typical Value	Unit	Method	Test Condition
Density	1.21	g/cm <sup>3</sup>	ASTM D1505	23°C
Melt Flow Rate	5.2	g/10min	ASTM D1238	235°C/2.16KG

Mechanical	Typical Value	Unit	Method	Test Condition
Tensile Strength	85	MPa	ASTM D638	50mm/min
Elongation at Break	5	%	ASTM D638	50mm/min
Flexural Strength	125	MPa	ASTM D790	5mm/min
Flexural Modulus	3000	MPa	ASTM D790	5mm/min
Notched Izod Impact Strength	120	J/m	ASTM D256	23°C

Thermal	Typical Value	Unit	Method	Test Condition
Melting Temperature	195	°C	DSC	10°C/min
Printing Temperature	220-250	°C	/	/
Bed Temperature	80-110	°C	/	/
Viscat Softening Temperature	175	°C	ASTM D1525	50°C/h, 10N

**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.