

# ABS-WR20 filament

## Technical Data Sheet

Features	Application
<ul style="list-style-type: none"> <li>● High strength</li> <li>● Impact modified</li> <li>● Weather-Resistant</li> <li>● Low warpage</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	1.03	g/cm <sup>3</sup>	ASTM D1505	23°C
Melt Flow Rate	21	g/10min	ASTM D1238	220°C /10KG

Mechanical	Typical Value	Unit	Method	Test Condition
Tensile Strength	38	MPa	ASTM D638	50mm/min
Elongation at Break	15	%	ASTM D638	50mm/min
Flexural Strength	75	MPa	ASTM D790	5mm/min
Flexural Modulus	2230	MPa	ASTM D790	5mm/min
Notched Izod Impact Strength	230	J/m	ASTM D256	23°C
Hardness	95	Shore D	ASTM D2240	15s

Thermal	Typical Value	Unit	Method	Test Condition
Melting Temperature	200-260	°C	DSC	10°C /min
Printing Temperature	220-260	°C	-	-
Bed Temperature	80-110	°C	-	-
Viscat Softening Temperature	85	°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.