



## TECHNICAL DATA SHEET

### C-TECH ABS FILAMENTS

Properties	Value	Test Method
<b>Physical</b>		
Specific Gravity, 23°C	1.06 g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>		
Tensile Strength, at Yield, 23°C, 50mm/min, 3.2mm	43 MPa	ASTM D638
Tensile Elongation at Break, 23°C, 50mm/min, 3.2mm	35.5% (Min)	ASTM D638
Tensile Modulus, 23°C, 50mm/min, 3.2mm	1790 MPa	ASTM D638
Flexural Strength, 23°C, 15mm/min, 3.2mm	63 MPa	ASTM D790
Flexural Modulus, 23°C, 15mm/min, 3.2mm	1880 MPa	ASTM D790
Izod Impact Strength, Notched, 3.2mm, 23°C	435 J/m	ASTM D256
Izod Impact Strength, Notched, 3.2mm, -30°C	60 J/m	ASTM D256
Izod Impact Strength, Notched, 6.4mm, 23°C	340 J/m	ASTM D256
Izod Impact Strength, Notched, 6.4mm, -30°C	60 J/m	ASTM D256
<b>Thermal</b>		
HDT, 1.82MPa, 6.4mm	85°C	ASTM D648
VICAT, 50N, 50°C/h	92°C	ASTM D1525