

## PC-ABS v0 · Technical Data Sheet

### General Features

<p><b>Chemical Name</b> Polycarbonate - Acrylonitrile Butadiene Styrene</p>	<p><b>Benefits</b></p> <ul style="list-style-type: none"> <li>• Heat resistant and flame retardant</li> <li>• High impact strength</li> <li>• Good resolution and surface finish</li> </ul>	
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### Filament Characteristics

<b>Diameter</b>	Ø 1.75mm
<b>Meters per spool</b>	273.520m
<b>Weight per meter</b>	2.74g
<b>Tolerance</b>	±0.05mm

### Material Properties

		Typical value	ASTM Method
<b>Specific gravity</b>	g/cm <sup>3</sup>	1,17	ISO 1183
<b>MFR 260°C/5 kg</b>	g/min	43 /10	ISO 1133
<b>Yield Stress</b>	MPa	60 MPa	ISO 527
<b>Strain at break</b>	%	>50	ISO 527
<b>E-modulus</b>	MPa	2850	ISO 527
<b>Flexural Strength</b>	MPa	2800	ISO 178
<b>Flexural Modulus</b>	MPa	110	ISO 178
<b>Impact Strength Charpy method 23°C Notched</b>	kJ/m <sup>2</sup>	42,5	ISO 179
<b>Printing temp.</b>	°C	260±10	DF
<b>Vicat Softening Temp</b>	°C	104	ISO 306
<b>Flammability-rating</b>		V0	UL-94

### Storage

Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.

#### Disclaimer:

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