

PC-ABS v0 · Technical Data Sheet

General Features

**Polycarbonate - Acrylonitrile
Butadiene Styrene**

Heat resistant and flame retardant
High impact strength
Good resolution and surface finish

Filament Characteristics

| | |
|-------------------------|----------|
| Diameter | Ø 1.75mm |
| Meters per spool | 273.520m |
| Weight per meter | 2.74g |
| Tolerance | ±0.05mm |

Material Properties

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

Additional Information

Recommended temperature for heated bed is +100°C. We recommend kapton and / or pva glue stick for adhesion. PC-ABS V0 can be used on all common desktop FDM or FFF technology 3D printers.

Storage

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

Disclaimer:

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