

FILAMENT

ABS

Acrylonitrile butadiene styrene

ABS stands out in 3D printing for its durability, impact resistance and affordability, which makes it a favoured material wherever robust, cost-effective parts are needed.

DIAMETER **1.75 mm**

TOLERANCE **±0.02 mm**

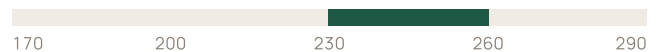
LENGTH **343 m**

KEY FEATURES

- Toughness
- Impact resistance
- Cost-effective

RECOMMENDED PRINT SETTINGS

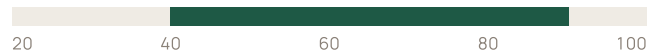
Nozzle temperature **230–260°C**



Bed temperature **90–110°C**



Print speed **40–90 mm/s**



Start in the middle of each range and adjust for your printer, nozzle and cooling.

MATERIAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE
Density	ISO 1183	1.04 ±0.02 g/cm³
Glass transition temperature	DSC	100 °C
Melt flow index	ISO 1133	41 g/10 min
Tensile strength	ISO 527	60 MPa
Elongation at break	ISO 527	34 %
Elongation at yield	ISO 527	4.8 %

The values in this data sheet are typical values, given for reference and for comparing materials. They are not guaranteed specifications and may vary with colour, batch, print settings and part geometry. Test the material in your own application before use.