



# ABS Filament

- High performance Acrylonitrile Butadiene Styrene (ABS) for material extrusion (ME)
- High rigidity, high gloss, medium impact strength
- Resistant to grease
- Good post-printing workability
- Strong odour during printing
- Main applications: Concept modelling for building, electrical, automotive industry etc. Non-critical parts such as enclosures.



## Filament Specifications

Size	Ø tolerance	Length
1.75mm	± 0.05mm	396 m
2.85mm	± 0.05mm	149 m

## Material properties

Description	Test method	Typical value
Density	ISO 1183	1.05 g/cm
Viscat softening temperature	ISO 306	104°C
Flexural strength	ISO 178	76 MPa
Flexural modulus	ISO 178	2050 Mpa
Impact strength - Charpy method 23°C	ISO 179	21 kJ/m2
Tensile strength	ISO 527	47 Mpa
Tensile elongation	ISO 527	30%

## Recommended printer set up

Extrusion temperature	220-240°C
Bed temperature	0-100°C
Printing speed	30 mm/s