



# 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



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## Filaments Available

Colour	Part Number		PANTONE® ref.*	Diameter	Weight
Black	55010		Black Process	1.75 mm	1 kg
White	55011		White Process	1.75 mm	1 kg
Blue	55012		PMS 072	1.75 mm	1 kg
Red	55013		PMS 485	1.75 mm	1 kg
Green	55014		PMS 363	1.75 mm	1 kg
Natural Transparent	55015		N/A	1.75 mm	1 kg
Silver/Metal Grey	55016		PMS 877	1.75 mm	1 kg
White	55017		White Process	2.85 mm	1 kg
Black	55018		Black Process	2.85 mm	1 kg
Natural Transparent	55019		N/A	2.85 mm	1 kg

\* Closest PANTONE® colour reference

Verbatim filament is manufactured from high quality materials to extremely rigid standards. The filaments are manufactured from the highest quality materials and produced to extremely tight tolerances to ensure consistent feed and stable printing. The filaments are distributed in vacuum-sealed bags with desiccant, and wound onto a custom spool that has been designed for strength, uniform dynamic performance and trouble-free dispensing.