

3D

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.
- Made in Japan



Product Specifications

Test Method











Diameter accuracy	± 0.05 mm	
Material Weight	1kg	
Filament Length	1.75mm - 396 m 2.85mm - 149 m	
Density	1.05 g/cm ³	ISO1183
Viscat softening temperature	104 °C	ISO306
Flexural strength	76 MPa	ISO178
Flexural modulus	2200 MPa	ISO178
Impact strength (Charpy)	21 KJ/m ²	ISO179 (23 °C)
Tensile strength	47 MPa	ISO527 (break)
Tensile elongation	30%	ISO527 (50mm/min)

Recommended printer set up

Extrusion temperature	220-240 °C
Bed temperature	80-100 °C
Printing speed	30mm/s



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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