PP Filament

- High quality Polypropylene (PP) filament for material extrusion (ME)
- One of the most commonly used plastics in industry
- Good mechanical properties of stiffness and tensile strength
- Good surface finish
- Resistant to acids, alkalis and organic solvents
- Very light
- Food package grade pellets used
- Good transparency
- Hinge properties
- Main applications: Technical products, automotive, mechanical engineering, prototypes, toys.



Filament Specifications

Size	Ø tolerance	Length
1.75mm	± 0.05mm	233 m
2.85mm	± 0.05mm	88 m

Material properties

Description	Test method	Typical value
Density	ISO 1183	0.89 g/cm
Melt flow rate	ISO 1133	20.0 g/10min
Viscat softening temperature	ISO 306	115°C
Flexural strength	ISO 178	14 MPa
Flexural modulus	ISO 178	350 Mpa
Impact strength - Charpy method 23°C	ISO 179	10 kJ/m2
Tensile strength	ISO 527	14 Mpa
Tensile elongation	ISO 527	>200 %
Durometer hardness	ISO 868	Shore D55

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Recommended printer set up

Extrusion temperature	240±10°C
Bed temperature	80°C
Printing speed	30 mm/s

Note: PP film tape recommended for print bed

Filaments Available

Colour	Part Number		PANTONE® ref.*	Diameter	Weight
Natural	55952	▢	N/A	1.75 mm	500 g
Natural	55953	▢	N/A	2.85 mm	500 g

* 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.

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