3D

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 property
- Main applications: Technical products, automotive, mechanical engineering, prototypes, toys
- Made in Japan

Product Specifications		Test Method
Diameter accuracy	± 0.05 mm	
Material net weight	500 g	
Filament length	1.75 mm - 233 m 2.85 mm - 88 m	
Melt Flow Rate	20.0 g/10min	ISO 1133
Density	0.89 g/ cm³	ISO 1183
Flexural Modulus	350 MPa	ISO 178
Flexural Strength	14 MPa	ISO 178
Tensile Strength	14 MPa	ISO 527 (yield)
Tensile Elongation	> 200 %	ISO 527
Impact Strength (Charpy)	10 kJ/m2	ISO 179 (0 ˚C)
Durometer Hardness	Shore D55	ISO 868
Vicat softening temperature	115 ˚C	ISO 306

Verbatim

Technology you can trust

A Group Company of **MITSUBISHI CHEMICAL**

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Recommended printer set up

Extrusion temperature	200-240 ˚C
Bed temperature	80 ˚C
Printing speed	30mm/s

Note: PP film tape recommended for print bed

Colour	Part Number		PANTONE® ref.*	Diameter	Weight
Natural Transparent	55950		N/A	1.75 mm	500 g
Natural Transparent	55951		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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