

PP

PP is our easy to print general purpose low density Polypropylene. PP has been developed for optical clarity while maintaining mechanical performance and a superb layer adhesion. PP high stretch ability, decent flexibility and chemical/fatigue resistance makes it suitable for a variety of household articles and containers. PP can also be used for engineering articles such as living-hinges and snap-fit fastener materials. Lastly PP can be used to print dishwasher & microwave safe objects. PP is a cost-effective all round filament suitable for a broad variety of needs.

Features:

- High chemical & fatigue resistance
- High elongation before break
- Superb layer adhesion
- Suitable for food contact articles
- Dishwasher & microwave safe

Colours:

Check the website for available colours.

Filaments specifications

Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%

Material properties

Description	Testmethod	Typical value
Specific gravity	ASTM D1505	0,9 g/cc
MFI 230°C/2,16 kg		8 gr/10 min
Tensile strength	ASTM D638	12 Mpa
Elongation at break	ASTM D638	>600%
Flexural modulus	ASTM D790	402 MPa
Hardness	ASTM D2240	D50
Printing temperature	ddd drop	240-260 °C
Melting temperature		190-220°C
Vicat softening temperature		103°C

Additional info:

Storage: Cool and dry (15-25 °C) and away from UV light. This enhances the shelf life significantly.