

LIGHTWEIGHT, CHEMICAL RESISTANT FILAMENT

Polypropylene (PP) Filament

1.75 mm · 1 kg spool · ±0.03 mm tolerance

Lightweight, chemically resistant polypropylene for living hinges, snap fits and containers that need to flex repeatedly.

- ✓ Very low density
- ✓ Excellent fatigue resistance
- ✓ Chemical resistant
- ✓ Needs a PP build surface

Recommended Print Settings

Nozzle temperature	220–240 °C 230 °C recommended
Bed temperature	60–80 °C on a PP sheet or PP packing tape
Print speed	30–60 mm/s
Support material	PP (self supported)

i PP does not stick to glass or PEI. Print onto a PP build sheet or PP packing tape, use a brim on larger parts and keep part cooling low for the first layers.

Spool & Packaging

Empty spool weight	150 g
Spool with filament	1.15 kg
Spool outer diameter	200 mm
Hub diameter	52 mm
Spool width	65 mm
Shipping weight	1.3 kg
Box dimensions	210 × 220 × 75 mm

Filament Specifications

Material	Polypropylene (PP)
Diameter	1.75 mm
Diameter tolerance	±0.03 mm
Net filament weight	1 kg

Storage & Handling

Drying
PP absorbs very little moisture, so drying is rarely needed. If a spool has been stored open, dry it at 50 °C for 4–6 hours in a filament dryer or food dehydrator.

Storage
Airtight bag or container with desiccant in a cool, dark and dry area to prevent moisture absorption. For optimal long term storage we recommend drying the filament prior to sealing the filament spool in a vacuum bag with desiccant.

Mechanical Properties

PROPERTY	TEST METHOD	TYPICAL VALUE
Tensile strength	ISO 527	15–30 MPa
Elongation at break	ISO 527	>100 %

Physical Properties

PROPERTY	TEST METHOD	TYPICAL VALUE
Density	ISO 1183	0.89–0.91 g/cm ³
Moisture absorption (23 °C, 24 h)	ISO 62	<0.1 %

Thermal Properties

PROPERTY	TEST METHOD	TYPICAL VALUE
Heat deflection temperature (0.455 MPa)	ISO 75	60–90 °C

Available Colours 2



White



Black

Swatches are indicative only. Colours vary between screens and with print settings.

NOTES

Values shown are typical figures for polypropylene filament and are provided for guidance only. They are not guaranteed specifications and should not be used as design limits. Printed part properties vary with printer, settings, print orientation and part geometry. Test your parts for suitability before use in critical applications.