



- Perform✓FP is a high performance Polypropylene filament with improved bed adhesion and controlled shrinkage, designed to work on FFF printers.
- Perform✓FP is virtually unbreakable, and has great functional properties just like injection molded or extruded PP parts.
- Perform✓FP can be printed as integral, living hinge, snap-fit and many other functional designs.

Typical Properties

| Property | Test Method | Unit | Typ. Value |
|-------------------|-------------|--------------------|-------------|
| Nominal Diameter | - | mm | 1.75 / 2.85 |
| Density | ISO 1183 | gr/cm ³ | 0.90 |
| Tensile Modulus | ISO 527 | MPa | 573 |
| Tensile Strength | ISO 527 | MPa | 15 |
| Flexural Strength | ISO 178 | MPa | 15 |
| N. Izod Impact | ASTM D256 | J/m | 153 |
| Elongation | ISO 527 | % | 140% |

* The above are typical properties for a printed specimen

Recommended Settings

| Parameter | Unit | Set Value |
|---------------------|--------|-----------|
| Nozzle Temp. | °C | 220 |
| Plate Temp. | °C | 105 |
| Initial Cooling | - | Off |
| Cooling | - | On, 100% |
| Print Speed | mm/sec | 30-70 |
| Retraction (Bowden) | mm | >6 |
| Retraction (Direct) | mm | 1.5±0.5 |
| Brim | mm | >25 |

- Perform✓FP is prone to warping and separation from platform. Therefore, the use of adhesion sheets or other PP adhesives is strongly recommended. Using glue stick as an alternative adhesion method will be insufficient for reliable adhesion of large prints.

Disclaimer: Typical properties and recommendations should be regarded as guideline values and not specifications. It is on the user responsibility to carefully evaluate the suitability of the material and its properties to the application