

Product Description

Jabil Engineered Materials PETg is an easy processing, standard product for printing jobs requiring good strength and stiffness with a good balance of properties in XY and Z directions. Applications include housings; jigs, fixtures and tooling; and general printing. This material has a print profile available on Ultimaker Cura Marketplace and produces excellent surface quality parts that can be printed at max speeds with minimal shrinkage.

Advantages

Easy printability, low shrinkage and warpage, good continuous-use temperature and very consistent lot-to-lot print properties with a ISO 9001 Certificate of Analysis with every spool.

Storage and Use

PETg is a hygroscopic material, meaning it will absorb moisture from the atmosphere, affecting visual quality and mechanical properties. For best results, print and store filament in a dry environment. If necessary, dry filament in an oven at 65 °C (150 °F) for 6 – 12 hours.



For the latest print profiles, search for Jabil Engineered Materials in the Cura Marketplace.

For complete copies of the Print Settings and the Printing & Drying Guide, visit our [PETg Webpage](#).

Properties

Mechanical Properties

| | Test Condition | Typical Value | Method |
|---------------------------------|---------------------|---------------|---------------------------|
| Tensile Modulus (MPa) | XY coupons, Ambient | 1655 | ASTM D638 |
| Tensile Yield Strength (MPa) | | 45 | |
| Tensile Elongation at Break (%) | | 24 | |
| Ultimate Tensile Strength (MPa) | | 45 | |
| Flexural Modulus (MPa) | Ambient | 1585 | ASTM D790-17, Procedure B |
| Flexural Strength (MPa) | | 1160 | |

Thermal Properties

| | Test Condition | Typical Value | Method |
|----------------------------------|----------------|---------------|------------------------|
| Heat Deflection Temperature (°C) | 0.455 Mpa | 71 | ASTM D648-16, Method B |

Other Physical Properties

| | Test Condition | Typical Value | Method |
|------------------------------|----------------|---------------|------------------------|
| Density (g/cm ³) | Ambient | 1,24 | ASTM D792-13, Method A |

Jabil PETg Additive Filament

Technical Data Sheet

Disclaimer: The information in this technical data sheet, including material properties, are obtained from testing representative samples under carefully controlled conditions and are provided for reference only. Material properties may be impacted by storage, handling, processing equipment/parameters, and product design, among other factors. The information is not a substitute for user testing to determine fitness for any specific use and the user is responsible for ensuring safe and lawful use of the product.

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