

TECHNICAL DATA SHEET

Bulk PETG

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Bulk PETG – Premium EU-Made PETG Filament for High-Volume and Cost-Efficient 3D Printing

Bulk PETG filament is a premium-grade 3D printing filament manufactured in the European Union. This PETG filament is developed for cost-efficient and high-volume production with consistent quality and durability at scale. Bulk PETG filament is the ideal choice for manufacturers, production facilities, prototyping labs, and makers who require reliable results without compromising on affordability.

Bulk PETG filament combines a high transparency with good mechanical properties and food contact safety. This premium PETG 3D printing filament combines optical clarity, durability, and chemical resistance, making it ideal for functional prototypes, containers, kitchen tools, and clear design parts.

Each 1kg spool is made from certified second-life polypropylene (PP), made with post-consumer recycled materials. The packaging is crafted from recycled, FSC-certified cardboard, offering an eco-conscious solution that supports a more sustainable production cycle.

To maximize usability, the 1kg spools are fully AMS compatible, offering smooth integration across multiple 3D printing systems.

Important key features

- **EU-Made Premium Quality PETG Filament** – Delivers reliable, consistent 3D printing results for industrial, professional, and personal use.
- **Cost-Efficient Production** – Engineered for affordable and high-volume 3D printing without compromising performance.
- **AMS Compatible** – 1Kg spools are compatible with all AMS systems, ensuring maximum usability and flexibility.
- **Transparent & Food-Safe** – Excellent light transmission with food contact compliance, suitable for projects that require visibility or hygiene considerations.
- **High-Performance & Durable** – Strong, impact-resistant, and temperature-tolerant, suitable for industrial and professional use.
- **Eco-conscious Packaging** – 1Kg filament is spooled on recycled certified second-life PP spools with FSC-certified recycled cardboard boxes.

Suitable applications

- **Small & Medium-Scale Manufacturing** – High-quality PETG filament for industrial and commercial production.
- **Transparent prototypes and end-use parts** – Ideal PETG filament for among others signage, advertising displays, and lightning applications.
- **Food-contact compliant items** – Manufacturing kitchenware, containers, and other projects that require food contact compliance.
- **Education & Research** – Safe, reliable, and easy-to-use PETG filament for classrooms and laboratories.
- **Prototyping & Product Development** – 3D print accurate models and functional prototypes with high clarity PETG filament.

Recommended print settings

Nozzle temp: ± 235 - 255°C

Print speed: ± 25 - 200 mm/s

Drying: Recommended

Experience level: Beginner

Heat bed: ± 80 - 90°C

Nozzle: ≥ 0.15mm

Drybox: Not necessary

Fan speed: ± 0 - 50%

Buildplate adhesion: EasyFix Nr. 1

Enclosure: Not necessary



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Material properties	Typical value	Test Method
MFI (210°C, 2.16kg)	1.8 g/10min	ASTM D 1238
Specific Gravity (23°C)	1,29 g/cm ³	ASTM D792

Mechanical properties

Tensile strength at yield (23°C, 50mm/min)	50,2 MPa	ASTM D638
Tensile strength at break (23°C, 50mm/min)	29 MPa	ASTM D638
Flexural strength	66.8 MPa	ASTM D790
Elongation at yield (23°C, 50mm/min)	6%	ASTM D638
Elongation at break (23°C, 50mm/min)	160%	ASTM D638

Thermal properties

HDT	79 °C	ASTM D648
Melting Point	200 °C	-

Buildplate adhesion

For optimal buildplate adhesion we recommend to use our EasyFix Adhesive – Nr. I.

Storage and handling

Filament should be stored at room temperature in a dry and dark place with humidity below 15%. Recommended storage temperature is ca. 18-25°C (64.4 -77.0°F). Keep out of moisture, sunlight and direct heat. When stored properly, product has a shelf life of 24 months. To obtain the best parameters of the printed object, it is recommended to dry the material prior to usage and to 3D print it directly from a dry box.

Product export information

HS Code	Description	Origin
39169090	Monofilament for 3D printing	European Union

Packaging & Logistics Information

Material	Spool weight	Spools per master box	Spools per EURO pallet
Bulk PETG filament	1,000 g (1 kg)	10	400
Bulk PETG filament	2,300 g (2.3 kg)	5	120
Bulk PETG filament	4,500 g (4.5 kg)	1	90
Bulk PETG filament	8,000 g (8 kg)	1	60

Disclaimer

The product and technical data provided in this datasheet are correct to the best of FormFutura BV's knowledge and are intended solely for reference and comparison purposes. Actual values may vary depending on printing conditions, model complexity, environmental factors, and other variables. Typical values are indicative only and do not constitute binding specifications.

All other information supplied, including that contained herein, is believed to be accurate but is provided on the express condition that the customer is responsible for making its own assessment to determine the product's suitability for a particular purpose.

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