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Version: 1.0

Product specifications

EasyFil PET is as easy to 3D print as regular PLA. It 3D prints with almost no warping. This makes EasyFil PET ideal for 3D printing big objects with fine detail.

EasyFil PET is a pure PET filament. It is an amorphous PET filament that is denser and harder than traditional PETG filaments. Next to this, EasyFil PET has a higher melting point and lower moisture intake. This unique set of properties translates to a PET filament that enables you to 3D print accurate parts with improved strength and mechanical properties.

Important key features

- More dense and rigid than PETG filaments
- Stronger and more accurate than traditional PETG.
- Good UV resistance.
- Good chemical resistance
- High transparency.

Suitable applications

- 3D printing parts for transportation.
- Manufacturing electronic components
- 3D printing manufacturing aids.
- Household appliances.

Material properties

	Typical value	Test Method
Density	1.33 g/cm ³	ISO 1183/A
Melt Volume Rate, 285°C/2,16kg	47 ± 8 g/10 min	ISO 1133

Mechanical properties

Tensile modulus (23°C, 1mm/min)	2500 MPa	ISO 527
Tensile strength at yield (23°C, 50mm/min)	74 MPa	ISO 527
Elongation at tensile yield (23°C, 50mm/min)	4%	ISO 527
Tensile strength at break (23°C, 50mm/min)	74 Mpa	ISO 527
Elongation at tensile break (23°C, 50mm/min)	4%	ISO 178
Charpy unnotched impact strength, 23°C	22,4 kJ/m ²	ISO 179/1eU

Thermal properties

Glass Transition Temperature	70°C	DSC
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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

Disclaimer

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