

## PET-ECO

PET-ECO is a 100% recycled filament made from post condensed PET pellets that were collected and recycled from plastic waste (around Brussels). PET-ECO is the same material that plastic water bottles are made from. Where our regular PET-G has a better impact resistance PET-ECO is a best solution when you need a stiff and tough material with excellent interlayer adhesion while still being easily printable.

### Material features:

- Made from 100% recycled PET
- Excellent interlayer adhesion
- Strong & Stiff
- Almost no “warping”
- Odor neutral printing

### Filament specs.

Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%

### Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,16 g/cc
Tensile strength at yield	ISO 527	57 Mpa
Strain at yield	ISO 527	6%
Strain at break	ISO 527	370%
Tensile Modulus	ISO 527	2300 MPa
Flexural modulus	ISO 178	2020 Mpa
Flexural strength	ISO 178	102 MPa
Impact strength - Charpy method 23°C (notched)	ISO 179	3,9 kJ/m2
Printing temp.	DF	260±10 °C

### Additional info:

Recommended temperature for heated bed is ± 70°C. Adhesion is possible on different surfaces. New spools come pre-dried but can quickly absorb moisture. Make sure to have a fully dried spool of filament before printing. We recommend drying for 24h at max. 65°C (make sure the spool itself doesn't deform). PET-ECO can be used on most common desktop FDM or FFF technology 3D printers. Storage: Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.