

One PET@Tridea

One PET @Tridea is a 100% recycled filament made from post condensed PET pellets that were collected and recycled from plastic waste (around Brussels). ONE PET is the same material that plastic water bottles are made from. Where our regular PET-G has a better impact resistance ONE PET 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

Colours:

One PET @Tridea is available from stock in 7 colours.



Packaging:

One PET @Tridea is available in nearly any type of packaging and labelling. Ask our team to help you customizing your product

Filament specs.

Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%
2,85mm	± 0,10mm	≥ 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). One Pet @Tridea 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.