

ZYYX PETG™

A Filament Material for the ZYYX line of 3D Printers

The ZYYX PETG™ is a PETG blend that is an excellent material choice for cost-effective iterative design processes. The surface of the ZYYX PETG™ also has the highest transparency among all our filaments. The ZYYX PETG™ filament is available in the grey-scale colours, white, grey, and black. It is odorless, has low warping when dry, a high impact resistance, and high chemical resistance. The surface of a ZYYX PETG print will be semi-glossy.

The ZYYX PETG™ comes vacuum packed and ready to print out of the box. It is very important to keep PETG dry, so make sure to store open spools using the ZYYX proTect™ resealable vacuum storage system.

Technical Data – ZYYX PETG™

Property	Specification
Chemical name	PETG/Polyethylene Terephthalate with Glycol
Density	1.27 g/cm ³
Net spool size	1.0 kg
Extruder temperature	230-255 °C
Recommended chamber temperature	65 °C
Filament diameter	1.75 ±0.03 mm
Glass transition temperature (T _g)	80 °C
Deflection temperature (@450 kPa)	78 °C
Max recommended temp. for printed part	75 °C
Hygroscopic sensitivity	High, needs to be dry before printing
Tensile strength	45 MPa
Tensile modulus	16 500 MPa
Elongation at break	24 %
Flexural/bending strength	72 MPa
Flexural/bending modulus	1 600 MPa
Izod impact strength	7.5 kJ/m ²
Typical printing shrinkage	0.3 – 0.6 % (x and y directions), 0 % (z direction)
ZYYX printer compatibility	ZYYX Pro II and ZYYX Pro with the multi-material build-plate, ZYYX+ and ZYYX Classic

All specifications can be changed without prior notice.

Colours

Colour	Order#	Colour Codes (Pantone/RAL/NCS)
White	FE01	n/a
Grey	FE02	~Pantone COOLGRAY 8C, RAL 7036, NCS 5000-N
Black	FE03	~Pantone Black 6C, RAL 5004, NCS 8505-R80B

Print example

