

Technical data sheet PETG

Filament: **PETG**.

Brand name: **Filalab** www.filalab.lt

Usage: **3D filament for FDM 3D printers.**

Manufacturer: **UAB Filalab, Vilnius, Lithuania.**

Printing recommendations:

Bed temperature: **80°C ± 10°C**

Extruder temperature: **240°C ± 10°C**

Diameter tolerance: **1.75 mm ± 0.03 mm**



Material Properties

Physical properties:

Physical properties	Value	Method
Specific Gravity g/cm ²	1.27	ASTM D792
Water Absorption (24 hr immersion)	0.13	ASTM D570
Heat Distortion Temperature @ 0.455 MPa (66 psi) @ 1.82 MPa (264 psi)	70 (158) 64 (147) °C (°F)	ASTM D648

Mechanical properties:

Physical properties	Value	Method
Tensile Strength at Yield 50 mm/min (2 inch/min)	50 (510) MPa (kgf/cm ²)	ASTM D638
Tensile Strength at Break 50 mm/min (2 inch/min)	28 (290) MPa (kgf/cm ²)	ASTM D638
Elongation @ Break 50 mm/min (2 inch/min)	140 %	ASTM D638
Flexural Strength 1.27mm/min (0.05 inch/min)	73 (745)MPa (kgf/cm ²)	ASTM D790
Flexural Modulus 1.27mm/min (0.05 inch/min)	2,100 (21,500) MPa (kgf/cm ²)	ASTM D790

Note:

These results should be regarded as guide values only.

Values depend on print settings, print atmosphere conditions.