

## PETG · Technical Data Sheet

### General Features

#### Chemical Name

Poly-ethylene Terephthalate Glycol

#### Benefits

- A filament with some of the best characteristics of PLA and ABS
- Stronger than PLA
- Easy to use

#### Main Applications

Practical applications including food packaging, waterproof parts, snap fits, chemical resistant parts.

### Filament Characteristics

<b>Diameter</b>	Ø 1.75mm	Ø 2.85mm
<b>Meters per spool</b>	251.462m	94.811m
<b>Weight per meter</b>	2.98g	7.91g
<b>Tolerance</b>	±0.02mm	±0.03mm

### Material Properties

		Typical value	ASTM Method
<b>Tensile stress at yield, psi</b>	MPa	50 (510)	D638
<b>Tensile strength at break, psi</b>	MPa	26 (265)	D638
<b>Elongation at yield</b>	%	4,5	D638
<b>Elongation at break</b>	%	120	D256
<b>Flexural Strength, psi</b>	MPa	71 (720)	D790
<b>Flexural Modulus, kpsi</b>	MPa	2150 (21900)	D790
<b>Izod Impact Strength, ft-lb/in</b>	J/m	85	D256

### Recommended printer settings

<b>Print temperature</b>	235±10°C
<b>Print bed temperature</b>	60-70° First/Later
<b>Cooling fans</b>	On
<b>Closed environment</b>	Not required
<b>Adhesive</b>	Required

### Available Colours

Colour	Pantone Code	Colour	Pantone Code
Black	6C	Translucent Blue	2935 C
Gray	8402 C	Translucent Green	1706153 TCX
Natural	--	Translucent Orange	1505 C
White	11-4001	Translucent Purple	228 C
Translucent Yellow	1235 C	Translucent Red	485 C

#### Disclaimer:

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