

Technical Data Sheet

Chemical Name:

Poly-ethylene Terephthalate

Main Applications:

Concept modeling, Educational projects, Design projects, Excellent substitute for ABS, with less hassle printing and no need to use acetone.

Description:

It's an easy to use material, many times showing the benefits of PLA and ABS without their weak points. Tuning of retraction settings is very important to reduce stringing, nevertheless this material will always show some of it.

Key Aspects:

It's food compatible, meaning you can use your prints in contact with water/food. It's somehow sensitive to moisture so it is recommended to keep it in a dry container. PETG is used in lot of application from just nice prints to practical application due to its good mechanical and esthetics characteristics.

Diameter:

1.75 mm, 2.85 mm

Meters per 750 g:

245.522 / 92.571

Weight

750 g

Weight per meter:

3.05 / 8.10 g

Density:

1.27

Meters per kg:

327.363 / 123.429

Color Information:

Color:

PANTONE:

Black	6C
Blue	2935 C
Gray	8402 C
Green	17-6153 TCX
Natural	--
Orange	1505 C
Purple	228 C
Red	485 C
White	11-4001
Yellow	1235 C

Printing Settings

Printing Temperature	225 - 250 °C
Density (g/cc)	1.27
Build Plate Temperature	Required 70-90 °C
Cooling Fans	YES

Mechanical Properties

Typical

ASTM Method

Tensile stress at yield:	50 (510)	D 638
Tensile strength at break:	26 (265)	D 638
Elongation at yield %:	4,5	D 638
Elongation at break %:	120	D 256
Flexural Strength:	71 (720)	D 790
Flexural Modulus:	2150 (21900)	D 790
Izod Impact Strength:	85	D 256



Warning:

This product can expose you to chemicals, which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

Disclaimer:

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