KODAK 3D Printing Filament PETG



Technical Data Sheet

Chemical Name:

Poly-ethylene Terephthalate Glycol

Main Applications:

Concept modeling, Educational projects, Design projects, Practical applications including food packaging.

Description:

An easy to use material that has many benefits. It is stronger and more temperature resistant than PLA. Compared with ABS it is just as strong ABS but can be printed with much less warping, as well as having the benefit of being odourless.

Key Aspects:

PETG is used for many applications due to its good mechanical and aesthetic characteristics. It is often used for applications which need to contain food and water. It is recommended the filament is kept in a dry container. It is important to tune the retraction settings to reduce stringing.

Certifications:

Our PETG has been approved by the FDA. It delivers outstanding printing performance without hazardous components such as styrene or BPA.

Diameter:

1.75 mm, 2.85 mm

Weight

750 g

Density:

1.27

Meters per 750 g:

245.522 / 92.571

Weight per meter:

3.05 / 8.10 g

Meters per kg:

327.363 / 123.429



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

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 yeld %:	4,5	D 638
Elongation at break %:	120	D 256
Flexural Strenght:	71 (720)	D 790
Flexural Modulus:	2150 (21900)	D 790
Izod Impact Strenght:	85	D 256

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KODAK 3D Printing Filaments PETG



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:

This TDS, based on current knowledge and experience, contains a general summary of hazards and is consistent with the information provided by the supplier. No liability can be assumed for the accuracy and completeness of this information. The information in this TDS applies for this specific material only. It therefore does not apply for its usage in combination with other materials or ways of processing. It is user's responsibility to read and understand this information and incorporate it into individual safety programs, according to all legal and regulatory applicable procedures. Smart International gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the user shall determine the quality and suitability of the product. Smart International expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.