

THE FILAMENT PETG

MATERIAL PROPERTIES

General Properties

Specific Gravity	1.27 g/cm ³	D 792
------------------	------------------------	-------

Mechanical Properties

Tensile Stress at Yield	25 MPa	D 638
-------------------------	--------	-------

Tensile Stress at Break	46.9 MPa	D 638
-------------------------	----------	-------

Elongation at Yield	4.4%	D 638
---------------------	------	-------

Tensile Modulus	1874 MPa	D 638
-----------------	----------	-------

Izod Impact Strength, Notched		
-------------------------------	--	--

@ 23°C	120 J/m	D 256
--------	---------	-------

@ -40°C	55.5 J/m	D 256
---------	----------	-------

Thermal Properties

Heat Deflection Temperature	70°C	D 648
-----------------------------	------	-------

GUIDELINE FOR PRINT SETTINGS*

Nozzle temperature	230-255°C
--------------------	-----------

Nozzle temperature (High Speed)	
---------------------------------	--

Bed temperature	60-75°C
-----------------	---------

Closed chamber for printing	not necessary
-----------------------------	---------------

Dry box recommended	No
---------------------	----

Ruby or hardened nozzle recommended	No
-------------------------------------	----

Adhesive	not necessary (if you need increased adhesion or prevent warping: glue stick, Dimafix, 3DLac, Magigoo)
----------	--

Cooling	75-100%
---------	---------

Surface finish	shiny
----------------	-------

Features	combines advantages of PLA & ABS, odour-free printing
----------	---

* settings are based on a 0,4 mm nozzle.

** depending on the geometrical complexity

STORAGE AND SHELF LIFE

Filament should be stored in a dry room at room temperature. Recommended storage temperature is ca. 18-25°C (64.4 -77.0°F). Keep out of moisture, sunlight and direct heat. When stored properly, product has a shelf life of 24 months.

SUPPORT

If you have any questions or experience any issues, please do not hesitate to contact us at support@spectrumfilaments.com

Disclaimer

The product and technical data provided in this datasheet is correct to the best of Spectrum Group Sp. z o.o. knowledge and are intended for reference and comparison purposes only. They should not be used for design specifications or quality control purposes. Actual values may vary according to printing conditions, model complexity, environmental conditions, etc. The user assumes all responsibility for the use of all information provided and shall verify quality and other properties or any consequence from the use of all such information. Typical values are indicative only and are not to be construed as being binding specifications. Spectrum Group Sp. z o.o. shall not be made liable for any damage, injury or loss induced from the use of Spectrum Group Sp. z o.o. materials in any particular application.