

PET-G Premium High Speed

MATERIAL PROPERTIES

Specific Gravity	1.29 g/cm ³	D 792
Mechanical Properties		
Tensile Strength	35 MPa	
Elongation at Break	10,00%	
Elongation at Yield	6,00%	D 638
Tensile Modulus	2990 MPa	D 638
Flexural Strength	64 MPa	D 790
Flexural Modulus	2000 MPa	D 790
Thermal Properties		
Heat Deflection Temperature	70°C	D 648
Glass Transition Temperature	80°C	D3418

GUIDELINE FOR PRINT SETTINGS*

Nozzle temperature - standard speed	240-265°C
Nozzle temperature - high speed	245-270°C
Bed temperature	60-80°C
Active cooling fan	75-100%
Layer height**	0.4 - 2.7 mm
Shell thickness**	0.05-0.3 mm
Closed chamber	not necessary
Dry box	No
Ruby or hardened nozzle	No
Drying (if wet)	recommended***
Adhesive	not necessary (if increased adhesion needed or to prevent warping: glue stick, Dimafix, 3DLac, Magigoo)

* settings are based on a 0.4mm nozzle

** depending on the geometrical complexity

*** at least 4h at 60°C using a hot dry air oven

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.

DESCRIPTION

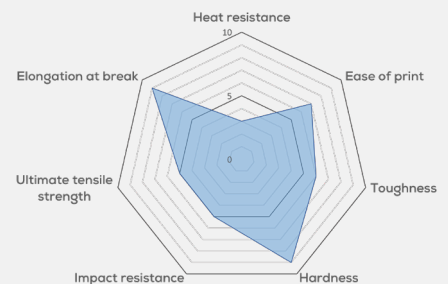
Spectrum PETG Premium High Speed filament is designed for fast 3D printing, combining the excellent mechanical properties of PETG with the capability to print at speeds of up to 800 mm/s. The material has been optimized specifically for high speed 3D printing technology, ensuring the perfect balance between speed and detail quality.

FEAUTURES

- printing speeds up to 800 mm/s
- chemical resistance
- high dimensional accuracy of printed parts
- combines the advantages of PLA and ABS
- fully recyclable

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