

Pellet rPETG

MATERIAL PROPERTIES

Specific Gravity	1.23 g/cm ³	ISO D1505
Moisture Absorption	<0.2 %	ISO D792
Mechanical Properties		
Tensile Strength at Yield	52 MPa	ISO D882
Tensile Strength at Break	59 MPa	ISO D882
Elongation at Yield	4%	ISO D882
Elongation at Break	400%	ISO D882
Flexural Strength	68 MPa	ISO 178
Flexural Modulus	2000 Mpa	ISO 178
Izod Impact Strength Notched @ 23°C	101 J/m	ISO D256
Thermal Properties		
Heat Deflection Temperature	70°C	ISO D648

GUIDELINE FOR PRINT SETTINGS*

Nozzle temperature	230-255°C
Bed temperature	60-80°C
Active cooling fan	YES (up to 100%)
Closed chamber	not necessary
Dry box	not necessary
Ruby or hardened nozzle	not necessary

* settings are based on a 0.4 mm nozzle.

** depending on the geometrical complexity

DESCRIPTION

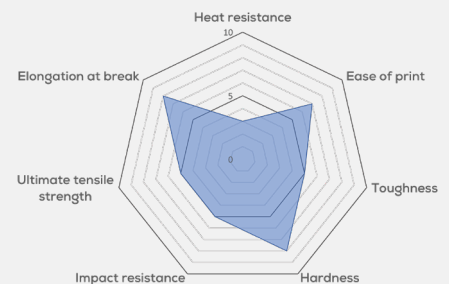
Spectrum FGF Pellet rPETG is an environmentally-friendly 3D printing material that fits into a sustainability initiative. The material is created by reusing the recycled extrusion residual waste stream. The raw material is collected, shredded, re-mixed and homogenised into a high-grade and easy-to-print recycled FGF PETG filament with much less environmental impact.

FEAUTURES

- manufactured from recycled materials
- lower environmental impact by reusing waste
- easy printing, similar to standard PETG
- no shrinkage after cooling

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