

Pellet rPLA

MATERIAL PROPERTIES

Specific Gravity	1.24 g/cm ³	D 792
MFR (210°C, 2.16kg)	5-7 g/10min	-

Mechanical Properties

Tensile Strength at Break	53.5 MPa	ISO 527
Tensile Strength at Yield	50.2 MPa	ISO 527
Tensile Modulus	3420 MPa	ISO 527
Elongation at Yield	5,50%	ISO 527
Flexural Strength	60.7 MPa	ISO 178
Flexural Modulus	3780 MPa	ISO 178

Thermal Properties

VICAT Softening Temperature	55°C	ISO 306
Glass Transition Temperature	55-60°C	DSC

GUIDELINE FOR PRINT SETTINGS*

Nozzle temperature	190-215°C
Bed temperature	40-50°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

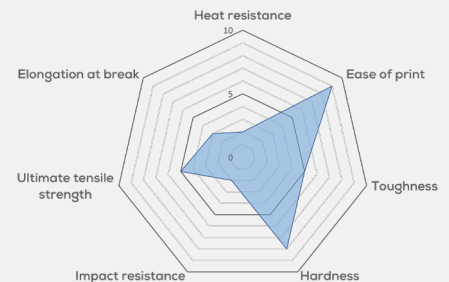
Spectrum FGF Pellet rPLA is an environmentally-friendly 3D printing material that fits into a sustainability initiative. The material is created by reusing the recycled extrusion residual waste stream. The raw material is collected, shredded, re-mixed and homogenised into a high-grade and easy-to-print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

FEAUTURES

- manufactured from recycled materials
- lower environmental impact by reusing waste
- easy printing, similar to normal PLA
- 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