

Greeny Pro

MATERIAL PROPERTIES

Specific Gravity	1.34 g/cm ³	D 792
Mechanical Properties		
Tensile modulus	5100 MPa	ISO 527
Tensile strength	53 MPa	ISO 527
Strain at tensile strength	1.9%	ISO 527
Tensile stress at yield	52.5 MPa	ISO 527
Tensile strain at yield	1.95%	ISO 527
Tensile stress at break	51 MPa	ISO 527
Tensile strain at break	2.2%	ISO 527
Charpy Impact Strength (23°C)	45 kJ/m ²	ISO 179/1eU
Thermal Properties		
Heat Deflection Temperature		
0.45mm/m2	84°C	ISO 75
Vicat Softening Temperature	160°C	ISO 306

GUIDELINE FOR PRINT SETTINGS*

Nozzle temperature	190 - 220°C
Bed temperature	0 - 45°C
Active cooling fan	YES (up to 100%)
Layer height**	0.05 - 0.30 mm
Shell thickness**	0.40 - 2.70 mm
Print speed**	40 - 200 mm/s
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

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

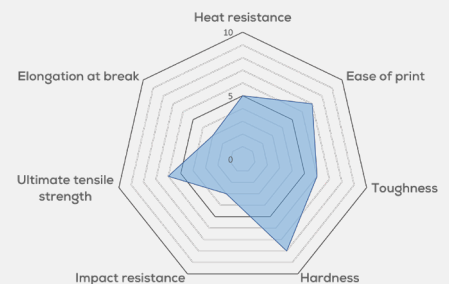
GreenyPro is a new filament from the bio-performance series, created especially for demanding applications where efficiency, reliability and ease of printing are important. This innovative material is a response to the needs of engineers and creators who demand more from their projects and expect the best results.

FEAUTURES

- High impact resistance
- Excellent flexural strength
- Biodegradable according to DIN EN ISO 14855
- Semi-matte print finish
- Easy to print
- Food safe and FDA compliant

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