



TECHNICAL DATA SHEET

GREENTEC PRO

1. DESCRIPTION

GreenTEC Pro comes from our BIO Performance range and has been specially developed for ultra-high-performance applications. The material has a heat distortion resistance of 160°C (VST A - 4mm wall thickness) and is optimised for high rigidity and flexural strength. The material offers a high-quality semi-matte look. GreenTEC Pro is the ecologically harmless alternative to commonly used industrial materials, consisting of 100% renewable raw materials and biodegradable according to DIN EN ISO 14855. In addition, the raw material has food approval (FDA).

2. FEATURES

- 100% sustainable and oil-free
- Semi-matte look
- Biodegradable (DIN EN ISO 14855)
- Heat distortion resistance up to 160°C VICAT A / 115°C HDT/B*
- Impact strength

3. PROPERTIES

TEST	METHOD	UNIT	VALUE
Tensile modulus (E-Modulus)	ISO 527	MPa	4300
Tensile strength	ISO 527	MPa	58
Elongation at strenght	ISO 527	%	2.8
Stress at break	ISO 527	MPa	53
Notched impact strength	ISO 179/1eA	kJ/m2	4
Unnotched impact strength	ISO 179/1eU	kJ/m2	71
VICAT A (VST)	ISO 306	°C	160*
Melting temperature	ISO 3146-C	°C	180-200
MFR	ISO 1133	g/10min	9
HDT/B	ISO 75	°C	115*
Shrinking	ISO 294-4	%	0.4
Density	ISO 1183	g/cm ³	1.35

*Temperature resistance tested at a minimum wall thickness of 4 mm.

Recommended settings for printers with a 0.4mm Nozzle. Max. 50% layerheight. Optimal print settings may vary between different printers and also depend on environmental factors.

PRINT SETTINGS	
Nozzle	225-250°C
Heatbed	20-90°C
Adhesive	not required
Speed	20-100mm/s
Cooling	20-50%
Open Space	yes
Hardened Nozzle	yes

NEED HELP?

If you have any question about the product and/or you are experiencing an issue, please contact us via:

+43 660 8810 615 (Mo-Fr | 8 am - 14 pm)

support@extrudr.com | www.extrudr.com

5. CERTIFICATIONS & ADDITIONAL INFORMATION



Certifications depend on colors in final product. More info in the additional information sheet.

6. STORAGE AND SHELF LIFE

Store in a dry room at room temperature (18-27°C / 65-80°F). Keep out of direct heat and sunlight.

When stored correctly, this material has a shelf life of 2 years.

Additional info in our regulatory, additional information and chemical resistance data sheets.