

DESCRIPTION

GreenTEC Pro is a high-performance biopolymer, with optimized characteristics for technical and mechanical applications. This material offers excellent temperature resistance and layer adhesion, as well as an appealing semi-matt finish. GreenTEC Pro is in compliance with the FDA-, REACH- and RoHS-Standards.

FEATURES

- Made from renewable raw materials
- Excellent tensile strength
- Heat resistance up to 160°C VICAT A / 115°C HDT/B*
- Low warping tendency
- Biodegradable (DIN EN ISO 14855)

PROPERTIES 1

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/m ²	4
Unnotched impact strength	ISO 179/1eU	kJ/m²	71
VICAT A (VST)	ISO 306	٥C	160*
Melting temperature	ISO 3146-C	°C	180-200
MFR	ISO 1133	g/10min	9
HDT/B	ISO 75	٥C	115*
Shrinking	ISO 294-4	%	0.4
Density	ISO 1183	g/cm³	1.35

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

CERTIFICATIONS & ADDITIONAL INFORMATION 2





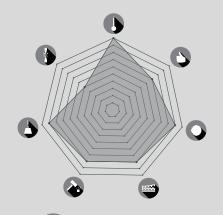






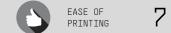
STORAGE AND SHELF LIFE

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.



TEMPERATURE RESISTANCE	1
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PRINT SETTINGS

Nozzle 210-230°C Heatbed 20-90°C Adhesive not required Speed 40-60mm/s Cooling 30-80%

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.

NEED HELP?

If you have any question about the product and/or you are experiencing an issue, please contact us via support@extrudr.com



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^{1.} Additional info in our regulatory, additional information and chemical resistance data sheets.

^{2.} Certifications depend on colors in final product. More info in the additional information sheet.