



TECHNICAL DATA SHEET

GREENTEC

1. DESCRIPTION

GreenTEC comes from our BIO Performance range and has been specially developed for high-performance applications. The material has a heat distortion resistance of 115°C (VST) and is optimised for high impact resistance. It offers a high-quality matte look. GreenTEC 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
- Matte look
- CO2 neutral
- Biodegradable (DIN EN ISO 14855)
- Heat distortion resistance up to 115°C VICAT A

3. PROPERTIES

TEST	METHOD	UNIT	VALUE
Tensile modulus (E-Modulus)	ISO 527	MPa	3200
Tensile strength	ISO 527	MPa	46
Elongation at strenght	ISO 527	%	3
Stress at break	ISO 527	MPa	18
Nominal elongation at break	ISO 527-2	%	14
Notched impact strength	ISO 179/1eA	kJ/m2	19
Unnotched impact strength	ISO 179/1eU	kJ/m2	218
VICAT A (VST)	ISO 3146-C	°C	115*
Melting temperature	ISO 1133	°C	180-200
MFR	ISO 75	g/10min	8
Shrinking	ISO 294-4	%	0.5
Density	ISO 1183	g/cm ³	1.3

*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.