



# TECHNICAL DATA SHEET

## FLAX

### 1. DESCRIPTION

FLAX comes from our BIO design range and is made from renewable raw materials. Thanks to the added mineral filler, fast production speed is possible. The material has been developed for rapid prototyping applications. At high temperatures and uniform printing speed, the surface becomes rough and resembles sandstone. The raw material is approved according to REACH, RoHS and FDA standards.

### 2. FEATURES

- Very good printing and flow properties
- Mineral-like surface
- Low warping
- Biodegradable (DIN EN ISO 14855)

### 3. PROPERTIES

TEST	METHOD	UNIT	VALUE	PRINT SETTINGS	
Flexural modulus	ISO 527	MPa	3400	Nozzle	180-240°C
Tensile strength	ISO 527	MPa	43	Heatbed	20-60°C
Breaking stress	ISO 527	%	3	Adhesive	not required
Elongation at break	ISO 527	%	22.3	Speed	20-200mm/s
Flexural strength	ISO 527	MPa	30	Cooling	30-100%
MFR	ISO 1133	g/10min	15	Open Space	yes
VICAT A (VST)	ISO 306	°C	48*	Hardened Nozzle	no
Density	ISO 2781	g/cm <sup>3</sup>	1.45		

\*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.



#### 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



FDA compliant



RoHS compliant



REACH compliant



FREE of Silicone



DEGRADABLE ISO 14885

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.