



TECHNICAL DATA SHEET FLAX

DESCRIPTION

Extrudr FLAX is made from renewable resources and it allows fast production speed thanks to added mineral filler. The material is developed for rapid prototyping applications. At high temperatures and regular printing speed, the surface becomes coarse and resembles sandstone. The raw material is approved according to the REACH-, RoHS- and FDA-Standards.

FEATURES

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

PROPERTIES ¹

TEST	METHOD	UNIT	VALUE
Flexural modulus	ISO 527	MPa	3400
Tensile strength	ISO 527	MPa	43
Breaking stress	ISO 527	%	3
Elongation at break	ISO 527	%	22.3
Flexural strength	ISO 527	MPa	30
MFR	ISO 1133	g/10min	15
VICAT A (VST)	ISO 306	°C	48*
Density	ISO 2781	g/cm ³	1.45

*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.

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.

TEMPERATURE RESISTANCE	4
EASE OF PRINTING	9
VISUAL QUALITY	10
LAYER ADHESION	8
IMPACT RESISTANCE	7
MAXIMUM STRESS	6
ELONGATION AT BREAK	5

PRINT SETTINGS

Nozzle	200-240°C
Heatbed	20-60°C
Adhesive	not required
Speed	40-60mm/s
Cooling	30-100%

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