



TECHNICAL DATA SHEET

PEARL

1. DESCRIPTION

PEARL comes from our BIO design range and impresses with its uniquely supple surface. The material consists of 100% renewable raw materials. The raw material is approved according to REACH, RoHS and FDA standards.

2. FEATURES

- Very good printing and flow properties
- Unique pearl look
- Low warping
- Biodegradable (DIN EN ISO 14855)

3. PROPERTIES

TEST	METHOD	UNIT	VALUE	PRINT SETTINGS	
Flexural modulus	ISO 527	MPa	2500	Nozzle	140-210°C
Tensile strength	ISO 527	MPa	34	Heatbed	20-60°C
Breaking stress	ISO 527	%	3	Adhesive	not required
Elongation at break	ISO 527	%	6.9	Speed	20-100mm/s
E-Modulus	ISO 178	MPa	1800	Cooling	30-100%
Flexural strength	ISO 527	MPa	30.1	Open Space	yes
MFR	ISO 1133	g/10min	4	Hardened Nozzle	no
VICAT A (VST)	ISO 306	°C	58*		
HDT/B	ISO 75	°C	51		
Shrinking	ISO 294-4	%	0.67		
Density	ISO 2781	g/cm ³	1.25		

*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



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.