



# 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	20-200mm/s
E-Modulus	ISO 178	MPa	1800	Cooling	30-100%
Flexural strength	ISO 527	MPa	30.1	Enclosed Space	no
MFR	ISO 1133	g/10min	4	Hardened Nozzle	no
VICAT A (VST)	ISO 306	°C	58*	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.	
HDT/B	ISO 75	°C	51		
Shrinking	ISO 294-4	%	0.67		
Density	ISO 2781	g/cm <sup>3</sup>	1.25		

\*Temperature resistance tested at a minimum wall thickness of 4 mm

### 4. CERTIFICATIONS & ADDITIONAL INFORMATION



Certifications depend on colors in final product. More info in the additional information sheet.

### 5. 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.