TECHNICAL DATA SHEET
XPETG MATT

1. DESCRIPTION

XPETG MATT has been developed for a wide range of applications where the main requirement is a good balance between optical and mechanical material properties. In addition, it is more thermally resistant than normal PETG. The raw material is certified according to FDA, REACH and RoHS standards.

2. FEATURES

- Matte surface
- Energy-efficient print range 210–240°C
- Improved free warping and shrinking technology
- Heat distortion resistance of 85°C
- High chemical resistance
- FDA compliant
- 100% recyclable

3. PROPERTIES

TEST	METHOD	UNIT	VALUE
Tensile modulus (E-Modulus)	ISO 527	MPa	3100 ± 46
Yield stress	ISO 527	MPa	53 ± 0,2
Elongation at yield	ISO 527-2	%	3,5 ± 0,1
Strength	ISO 527	MPa	53 ± 0,2
Elongation at break	ISO 527-2	%	7,6 ± 1,1
Notched impact strength	ISO 180	kj/m²	1,7 ± 0,4
Unnotched impact strength	ISO 180	kj/m²	78 ± 6
Heat Deflection Temperature HDT/B	ISO 15075	°C	67
VICAT A (VST)	ISO 306	°C	85
Density	ISO 1183-1/A	g/cm³	1,41
Flammability	UL 94	V-2	3,2 mm
Shore hardness	ISO 868/D	Shore D	76

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

PRINT SETTINGS	
Nozzle	210-240°C
Heatbed	60-90°C
Adhesive	not required
Speed	20-200mm/s
Cooling	20-50%
Enclosed Space	for larger components
Hardened Nozzle	no
Max. Volumetric Speed	12 mm³/s

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.

4. CERTIFICATIONS & ADDITIONAL INFORMATION

FDA compliant · RoHS compliant · REACH compliant · FREE of Silicone · RECYCABLE

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.