TECHNICAL DATA SHEET
XPETG Matt

DESCRIPTION

Polyethylene Terephthalate Glycol (PETG) is one of the world's most common thermoplastic polymers. Extrudr XPETG Matt was developed for a wide range of applications where the main requirement is a good balance between mechanical and optical material properties. The raw material is approved according to the REACH- and RoHS-Standards.

FEATURES

- Good mechanical properties
- High chemical resistance
- Low warping tendency
- Low shrinking
- Recycleable

PROPERTIES [1]

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 75	°C	67
VICAT A (VST)	ISO 306	°C	85
Density	ISO 1183-1/A	g/cm³	1,41
Flammability	UL 94	V-2	-
Shore hardness	ISO 868/D	Shore D	76

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

CERTIFICATIONS & ADDITIONAL INFORMATION [2]

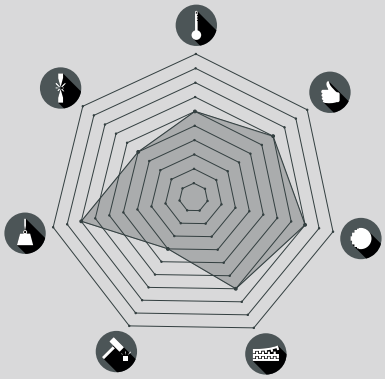
FREE OF SILICONE

RECYCLABLE

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

PRINT SETTINGS

Nozzle	210-230°C
Heatbed	60-70°C
Adhesive	not required
Speed	40-60mm/s
Cooling	20-50%

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**