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. In addition, it is more thermally resistant than normal PETG. 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
Flexural modulus (E-Modulus)	ISO 178	MPa	2300
Flexural strength	ISO 178	MPa	68
Tensile modulus (E-Modulus)	ISO 527	MPa	3400
Yield stress	ISO 527	MPa	51
Elongation at yield	ISO 527-2	%	4
Strength	ISO 527	MPa	61
Elongation at strength	ISO 527	%	4
Nominal elongation at break	ISO 527-2	%	15
Notched impact strength	ISO 180	kj/m²	4,7
Unnotched impact strength	ISO 180	kj/m²	no break
VICAT A (VST)	ISO 306	ºC	85
Melting temperature	ISO 3146-C	ºC	180-200
MFR	ISO 1133	g/10min	4
Shrinking	ISO 294-4	%	0,3
Density	ASTM D792	g/cm³	1,59
Flammability	UL 94	V-2	-

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

CERTIFICATIONS & ADDITIONAL INFORMATION [2]

RoHS COMPLIANT

REACH COMPLIANT
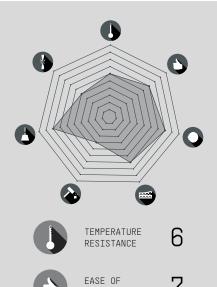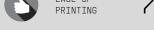
FREE OF SILICONE

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	220-230°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

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