

Product Information

IIID MAX PETG (Polyethylene Terephthalate Glycol) is a versatile filament that combines the ease of printing with the strength of its final prints.

Characteristics

- Excellent layer adhesion and durability
- Higher heat resistance compared to PLA
- Low shrinkage and warping, making it more forgiving during printing
- Strong and durable prints

Filament Specifications

IIID MAX does not opine, using the below data, on the suitability of the filament for any specific application nor on the accuracy of such data. Your results may vary depending on the testing methodology, printing parameters used, and other factors not controlled by IIID MAX. The presented data may not represent how the material will perform in a 3D-printed sample.

Properties	Test Method	Nominal Value	Units
Density	ASTM D792	1.27	g/cm3
Melt Volume-Flow Rate (MVR) (190°C/2.16kg)	ISO 1133	6.4	g/10min
Glass Transition Temperature	ASTM D3418	80	°C
Tensile Modulus	ISO 527-1	2180	MPa
Elongation % @ Yield	CISO 527	4	%
Flexural Strength	ISO 178	60	MPa
Water Absorption	ASTM D570	0.12	%

Printing Specifications

The following printing specifications are recommendations and may not be accurate for your printer. It is recommended to calibrate new printer filaments to ensure optimal results.

Parameter	Min	Max	Units
Nozzle Temperature	220	260	°C
Bed Temperature	70	90	°C
Printing Speed	40	60	mm/s
Cooling Fan % (not for overhangs)	0	40	%
Cooling Fan % (overhangs)	20	80	%
Drying Temperature	60	70	°C
Drying Time	4	8	hours