

Technical Data Sheet

3DFly PETG is a filament that is convenient to use and can be applied in a wide range of practical scenarios. With its robustness and long-lasting nature, PETG is an excellent option when it comes to creating mechanical components.



Filament
PETG

Physical Properties	Test Method	Unit	Typical Value
Density	ASTM D792	g/cc	1.27
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength, Break	ASTM D638	MPa	48
Tensile Modulus	ASTM D638	MPa	2000
Tensile Elongation, Break	ASTM D792	%	24
Flexural Strength	ASTM D790	MPa	67
Flexural Modulus	ASTM D790	MPa	2100
Thermal Properties	Test Method	Unit	Typical Value
Glass Transition Temperature (T _g)	ASTM D3418	°C	80
Deflection Temperature at 0.45 MPa (66 psi)	ASTM E2092	°C	70

Disclaimer :

The values provided in this data sheet are meant to serve as a general guideline for reference and comparison purposes. It is important to note that these values should not be solely relied upon to establish specific limits or form the basis of a design. It is not recommended to substitute any necessary testing that is required to ensure suitability for a particular use or application

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