

Technical Data Sheet

3DFly PLA is a premium type of PLA filament that is specifically engineered to improve durability, resistance to high temperatures, and overall performance during the 3D printing process.



Filament
PLA+

Physical Properties	Test Method	Unit	Typical Value
Density	ASTM D792	g/cc	1.24

Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength, Break	ASTM D638	MPa	50
Tensile Modulus	ASTM D638	MPa	2315
Tensile Elongation, Break	ASTM D792	%	4.3
Flexural Strength	ASTM D790	MPa	126
Flexural Modulus	ASTM D790	MPa	4357

Thermal Properties	Test Method	Unit	Typical Value
Glass Transition Temperature (Tg)	ASTM D3418	°C	55-60
Deflection Temperature at 0.45 MPa (66 psi)	ASTM E2092	°C	80-90

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

support@3dfly.co.in
www.3dfly.co.in

Head-Office in ST,GJ

