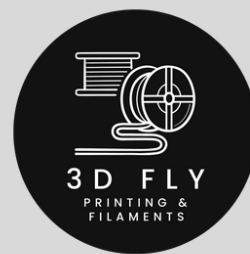


Technical Data Sheet

3DFly ABS stands out due to its exceptional mechanical properties and printability, resulting in parts made from this material being highly durable and less prone to brittleness compared to similar polymers.



Filament
ABS

Physical Properties	Test Method	Unit	Typical Value
Density	ASTM D792	g/cc	1.05

Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength, Break	ASTM D638	MPa	54
Tensile Modulus	ASTM D638	MPa	2216
Tensile Elongation, Break	ASTM D792	%	10
Flexural Strength	ASTM D790	MPa	79
Flexural Modulus	ASTM D790	MPa	2745

Thermal Properties	Test Method	Unit	Typical Value
Glass Transition Temperature (Tg)	ASTM D3418	°C	105
Deflection Temperature at 0.45 MPa (66 psi)	ASTM E2092	°C	94

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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