numakers
FUELING INNOVATION.

Technical Data Sheet

Revision
v1.0

Filament
PLA

Numakers™ PLA is a high-quality PLA designed to enhance toughness, heat-resistance and 3D printing characteristics.

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 typical values presented in this data sheet are intended for reference and comparison purposes only. This data should not be used to establish specifications limits or used alone as the basis of design. The data provided is not intended to substitute any testing that may be required to determine fitness for any specific use.

(E) support@numakers.com
(I) www.numakers.com