



Technical Data Sheet

InnoGlow

Monofilament suitable for all commercially available leading brands 3D FDM/FFF printers

IDENTIFICATION OF THE MATERIAL

Trade name	Innoglow
Chemical name	Polylactic Acid
Chemical family	Thermoplastic Polylactic Acid
Use	3D-Printing
Company	Innofil3D BV

MATERIAL PROPERTIES

		Test Method
Melting Point	145-160°C	ASTM D1003
Density	1240 kg/m ³	ASTM D1505
Tensile Strength	110 MPa MD injection molding 145 MPa TD injection molding	ASTM D882 ASTM D882
Elongation at Break	160% MD injection molding 100% TD injection molding	ASTM D882 ASTM D882
Tensile modulus	3310 MPa MD injection molding 3860 MPa TD injection molding	ASTM D882 ASTM D882
Food contact	Not tested	

MONOFILAMENT DATA

		Test Method
Diameter 1.75	1.75 ± 0.05 mm	Innofil3D
Diameter 2.85	2.85 ± 0.10 mm	Innofil3D
Max. roundness deviation 1.75	0.05 mm	Innofil3D
Max. roundness deviation 2.85	0.10 mm	Innofil3D
Color	Off-white/Green glow	Innofil3D
Print temperature guideline	210 ± 10°C	Innofil3D
Print speed guideline	40 - 80 mm/s	Innofil3D