



Technical Data Sheet

Inno FR

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

IDENTIFICATION OF THE MATERIAL

Trade name	Inno FR Flame Retardant PLA
Chemical name	Polylactic Acid compound
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
UL 94 Classification	HB, others to be tested	Standard for Safety of Flammability of Plastic Materials
Tensile Strength	Not tested	
Elongation at Break	Not tested	
Tensile modulus	Not tested	
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	Natural yellow white	Innofil3D
Print temperature guideline	210 ± 10°C	Innofil3D
Print speed guideline	40 - 80 mm/s	Innofil3D