



Technical Data Sheet

InnoSolve

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

IDENTIFICATION OF THE MATERIAL

Trade name	InnoSolve Water Soluble PVA
Chemical name	Polyvinyl Alcohol compound
Chemical family	PVA copolymer
Use	3D-Printing
Company	Innofil3D BV

MATERIAL PROPERTIES

		Test Method
Melting Point	150 - 175°C	ASTM D1003
Density	1200 -1300 kg/m ³	ASTM D1505
Degradability	100% biodegradable	
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
Net weight on reel	500 g ± 2%	Innofil3D
Color	Natural yellow white	Innofil3D
Print temperature guideline	210 ± 10°C	Innofil3D
Print speed guideline	40 - 80 mm/s	Innofil3D