



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
Diameter 3.00	3.00 ± 0.10 mm	Innofil3D
Max. roundness deviation 1.75	0.05 mm	Innofil3D
Max. roundness deviation 2.85	0.10 mm	Innofil3D
Max. roundness deviation 3.00	0.10 mm	Innofil3D
Color	Natural yellow white	Innofil3D
Print temperature guideline	220 ± 10°C	Innofil3D
Print speed guideline	40 - 80 mm/s	Innofil3D