



# Technical Data Sheet

## InnoFlex 60

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

### IDENTIFICATION OF THE MATERIAL

Trade name	InnoFlex 60
Chemical name	Ecovio
Chemical family	Compound of biodegradable copolyester Ecoflex and Polylactic Acid
Use	3D-Printing
Company	Innofil3D BV

### MATERIAL PROPERTIES

		Test Method
Melting point	140-155 °C	DSC
Mass density	1.24-1.26 g/cm <sup>3</sup>	ISO 1183
Tensile strength	39/30 MPa	ISO 527
Ultimate elongation	330/430 %	ISO 527
Tensile modulus	840/280 MPa	ISO 527
Shore D hardness	59	ISO 868
Food contact	Natural grade is EU and FDA approved	

### 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 (RAL)	N.A.	Innofil3D
Print temperature guideline	220 ± 10°C	Innofil3D
Print speed guideline	40 - 80 mm/s	Innofil3D