

SMARTFIL PLA[®] 3D850

PLA Ingeo de Nature Works con muy baja contracción térmica, ideal para imprimir piezas con una increíble resolución, muy precisa y sin deformación, y con mejores propiedades mecánicas y térmicas que nuestro SMARTFIL PLA. Muy fácil de usar y gran rendimiento.

PLA Ingeo by Nature Works with very low thermal contraction, it is ideal for printing pieces with an incredible resolution, very precise and without deformation, with better mechanical and thermal properties than SMARTFIL PLA. Easy to use with great performance.

PLA 3D850

Colores Disponibles / Available Colours

Color	Name	Colour
Natural	Natural	Nature
Negro	True Black	Black

Physical Properties

Physical Properties	Typical Value	Test Method
Material Density	1,24 g/cm ³	ISO 1183

Chemical Name	Polylactic Acid	
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Mechanical Properties

Mechanical Properties	Typical Value	Test Method
Flexural Strength	126 MPa	ASTM D790

Flexural Modulus	4357 MPa	ASTM D790
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Notched Izod Impact	40 J/m	ASTM D256
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Tensile Yield Strength	65.5 MPa	ASTM D882
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Thermal Properties

Thermal Properties	Typical Value	Test Method
Heat Deflection Temperature	144 °C ²	ISO 75

(2) Recocido en el rango de 80-130°C se puede utilizar para promover la cristalización y mejorar la temperatura de deflexión térmica de la parte impresa en 3D.
 Post-annealing in the range of 80-130°C can be used to promote crystallization and improve the heat deflection temperature of the 3D printed part.

Printing Properties

Printing Properties	Typical Value
Print Temperature	210 ±10 °C

Hot Pad	0-60 °C
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Fan Layer	On (100%)
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Size

Size	Net W.	Gross W.	Diameters	Packaging Characteristics
M	750 g	975 g	175/285mm	SmartBag, security seal
XL ¹	3300 g	3864 g	175/285mm	SmartBag, security seal
XXL ¹	5600 g	6346 g	175/285mm	SmartBag, security seal
XXXL ¹	8000 g	8746 g	175/285mm	SmartBag, security seal

(1) XL, XX and XXL son fabricados bajo demanda. Plazo de entrega entre 1 y 5 semanas.
 XL, XX and XXL spools are made under order. Delivered term between 1 and 5 weeks.



Recyclable
Recyclable
Recyclable



Apto para contacto
con alimentos
Food Approved
Aliments approuvés

Nota: Ninguno de nuestro filamentos contiene material reciclado con el fin de ofrecer filamentos de la mejor calidad.

Note: None of our filaments is produced with recycled material in order to get the highest quality filaments.