

SMARTFIL[®] PLA3D850

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 | Typical Value | Test Method |
|-----------------------------|------------------------|-------------|
| Material Density | 1,24 g/cm ³ | ISO 1183 |
| Chemical Name | Polylactic Acid | |
| Mechanical Properties | Typical Value | Test Method |
| Flexural Strength | 126 MPa | ASTM D790 |
| Flexural Modulus | 4357 MPa | ASTM D790 |
| Notched Izod Impact | 40 J/m | ASTM D256 |
| Tensile Yield Strength | 65.5 MPa | ASTM D882 |
| Thermal Properties | Typical Value | Test Method |
| Heat Deflection Temperature | 85 °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 | Typical Value |
|---------------------|---------------|
| Print Temperature | 210±10 °C |
| Hot Pad | 0-60 °C |
| Fan Layer | On (100%) |

| Size | Net W. | Gross W. | Diameters | Packaging Characteristics |
|-------------------|--------|----------|----------------|---------------------------|
| M | 750 g | 975 g | 1'75 / 2'85 mm | SmartBag, security seal |
| XL ¹ | 3300 g | 3864 g | 1'75 / 2'85 mm | SmartBag, security seal |
| XXL ¹ | 5600 g | 6346g | 1'75 / 2'85 mm | SmartBag, security seal |
| XXXL ¹ | 8000 g | 8746 g | 1'75 / 2'85 mm | 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



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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.