

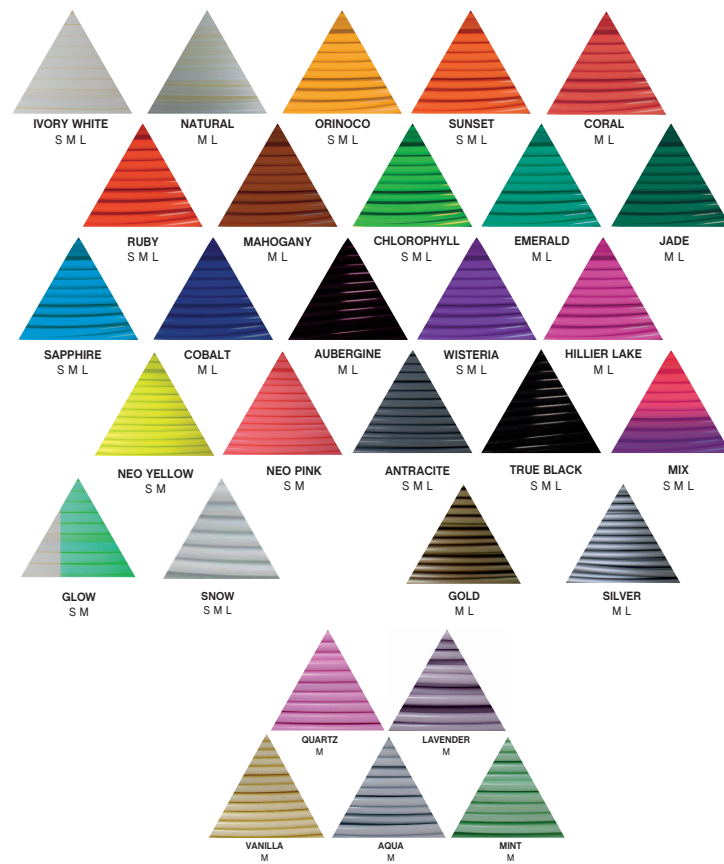
## SMARTFIL PLA

SMARTFIL PLA: Es un filamento biodegradable y para todas las impresoras, con el que podremos imprimir con facilidad, ya que no tiene contracciones permitiendo, de esta forma, fabricar piezas de grandes dimensiones. Con nuestro filamento de PLA se puede conseguir un gran acabado y colores vivos en nuestras piezas.

SMARTFIL PLA: Biodegradable filament and ok for all 3d printers. It is very easy to print as it has no contractions so you can make really big pieces. With our PLA filament you can achieve a fantastic finish and lively colours in all your pieces.

# PLA

### Colores Disponibles / Available Colours



### Physical Properties

Physical Properties	Typical Value	Test Method
Material Density	1,24 g/cm <sup>3</sup>	ISO 1183
Chemical Name	Polylactic Acid	
Glass Transition Temperature	55-60 °C	D3418

### Mechanical Properties

Mechanical Properties	Typical Value	Test Method
Tensile Strength at Break	53 MPa	D882
Tensile Modulus	3.6 GPa	D882
Tensile Yield Strength	60 MPa	D882
Tensile Elongation	6 %	D882
Notched Izod Impact	16 J/m	D256
Flexural Strength	83 MPa	D790
Flexural Modulus	3.8 GPa	D790

### Thermal Properties

Thermal Properties	Typical Value	Test Method
Heat Distortion Temperature (0.45 MPa)	55 °C	E2092

### Printing Properties

Printing Properties	Typical Value
Print Temperature	220±20 °C
Hot Pad	0-60 °C
Fan Layer	On (100%)

### Size Net W. Gross W. Diameters Packaging Characteristics

Size	Net W.	Gross W.	Diameters	Packaging Characteristics
S	330 g	348 g	1,75 mm	SmartBag, security seal
M	750 g	975 g	1,75/2,85 mm	SmartBag, security seal
L	1000 g	1256 g	1,75/2,85 mm	SmartBag, security seal
XL <sup>1</sup>	3300 g	3864 g	1,75/2,85 mm	SmartBag, security seal
XXL <sup>1</sup>	5600 g	6346g	1,75/2,85 mm	SmartBag, security seal
XXXL <sup>1</sup>	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.



**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.

**Note:** Nos filaments ne sont pas fabriqués avec des matériaux recyclés dans le but d'offrir un produit de la meilleure qualité

