

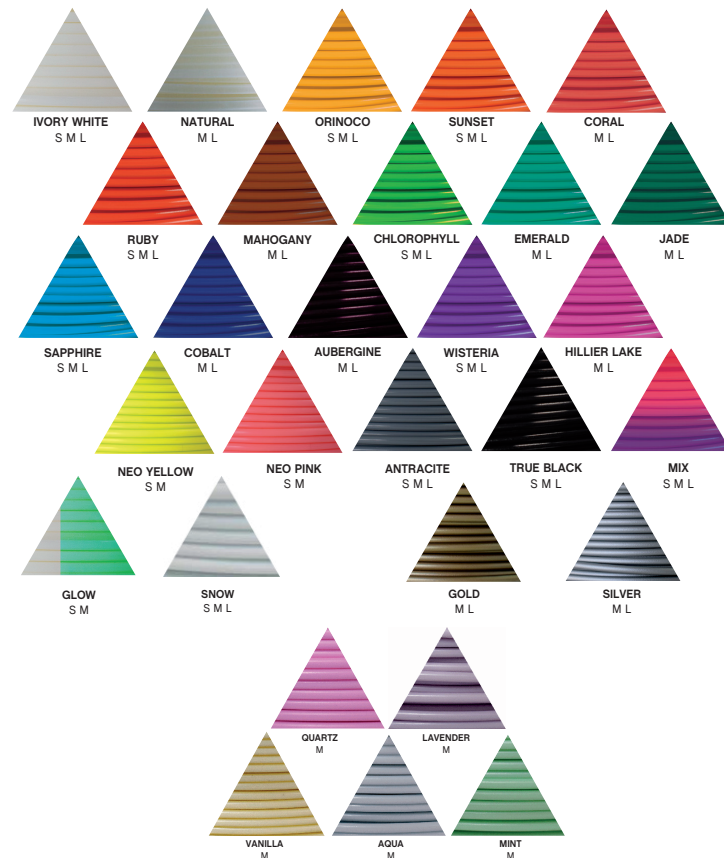
## SMARTFIL PLA

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	Typical Value	Test Method
Material Density	1,24 g/cm <sup>3</sup>	ISO 1183

Chemical Name	Polylactic Acid	
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Mechanical Properties	Typical Value	Test Method
Tensile Strength	MD 110 MPa	ASTM D882
	TD 114 MPa	ASTM D882
Tensile Modulus	MD 3309 MPa	ASTM D882
	TD 3861 MPa	ASTM D882
Elongation at Break	MD 160%	ASTM D882
	TD 100%	ASTM D882
Elmendorf Tear	MD 15 g/ml	ASTM D1922
	TD 13 g/ml	ASTM D1922

Thermal Properties	Typical Value	Test Method
Heat Deflection Temperature B	1,24 g/cm <sup>3</sup>	ASTM D1505
Vicat Softening Temperature	85° C	ASTM D1525

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

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
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.



Reciclabre  
Recyclable  
Recyclable



Apto para contacto  
con alimentos  
Food Approved  
Aliments approuvés



Biocompostable  
Biocompostable  
Biocompostables

**Note:** 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

