

SMARTFIL®MEDICAL

Filamento de excelente calidad especialmente diseñado para el campo de la medicina. Sus certificaciones UPS Clase VI o ISO 10993-1 asegura la biocompatibilidad del material con el cuerpo humano.

High quality filament specially designed for medical applications. This material has the UPS Class VI or ISO 10993-1 certification. This allow you to make components that can be in touch with the human body.

Physical Properties	Typical Value	Test Method
Material Density	1,05 g/cm ³	ISO 1183
Chemical Name	Acrylonitrile Butadiene Styrene	
Mechanical Properties	Typical Value	Test Method
Charpy Impact Strength ²	124 kJ/m ²	ISO 179
Flexural Modulus	2600 MPa	ISO 178
Flexural Strength	75 MPa	ISO 178
Notched Izod Impact	15 kJ/m ²	ISO 180
Tensile Yield Strength	36.5 MPa	ISO 527
Tensile Modulus	2550 MPa	ISO 527
<small>(2) at 23°C</small>		
Thermal Properties	Typical Value	Test Method
Heat Distorsion Temperature	98 °C	ISO 75
Vicat Softening Temperature	101 °C	ISO 306
Printing Properties	Typical Value	
Print Temperature	240 ±10 °C	
Hot Pad	80-100 °C	
Layer Height	Off (Max 20%)	

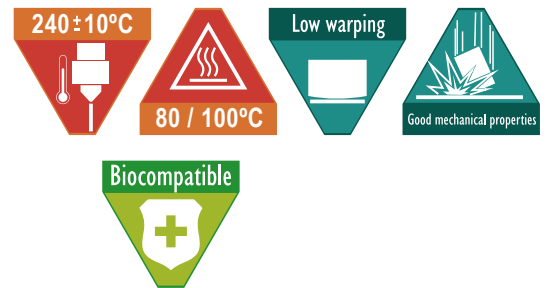
Size	Net W.	Gross W.	Diameters	Packaging Characteristics
M	750 g	975 g	1.75/2.85mm	SmartBag, security seal
XL ¹	3300 g	3864 g	1.75/2.85mm	SmartBag, security seal
XXL ¹	5600 g	6346 g	1.75/2.85mm	SmartBag, security seal
XXXL ¹	7000 g	7746 g	1.75/2.85mm	SmartBag, security seal

(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.

MEDICAL

Colores Disponibles / Available Colours

Color	Name	Colour
Natural	Natural	Nature



Recyclable
Recyclable
Recyclable



Biocompatible
Biocompatible
Biocompatible

Nota: Ninguno de nuestros 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.