

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 Notched 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/m² ISO 180

Tensile Yield Strength 36.5 MPa ISO 527

Tensile Modulus 2550 MPa ISO 527
(2) at 23°C

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%)

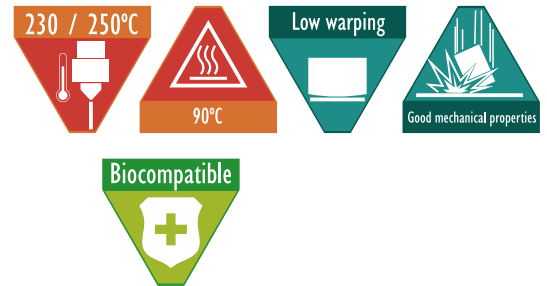
Size	Net W.	Gross W.	Diameters	Packaging Characteristics
M	750 g	975 g	1'75 / 2'85 mm	SmartBag, security seal
XL ¹	3300 g	3864 g	1'75 / 2'85 mm	SmartBag, security seal
XXL ¹	5600 g	6346g	1'75 / 2'85 mm	SmartBag, security seal
XXXL ¹	7000 g	7746 g	1'75 / 2'85 mm	SmartBag, security seal

(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.

MEDICAL

Colores Disponibles / Available Colours

Color	Name	Colour
Natural	Natural	Nature



Recyclable
Recyclable
Recyclable



Biocompatible
Biocompatible
Biocompatible

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.