

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/m ² | ISO 180 |
| Tensile Yield Strength | 36.5 MPa | ISO 527 |
| Tensile Modulus (2) at 23°C | 2550 MPa | ISO 527 |

| Thermal Properties | Typical Value | Test Method |
|--------------------|---------------|-------------|
|--------------------|---------------|-------------|

| | | |
|-----------------------------|--------|---------|
| Heat Distorsion Temperature | 98 °C | ISO 75 |
| Vicat Softening Temperature | 101 °C | ISO 306 |

| Printing Properties | Typical Value |
|---------------------|---------------|
|---------------------|---------------|

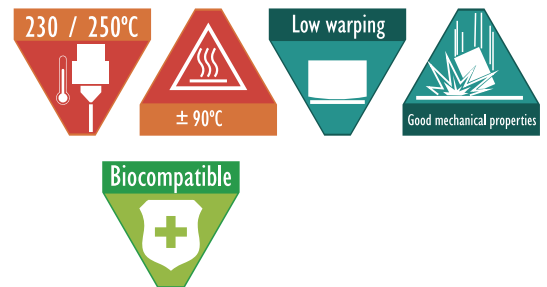
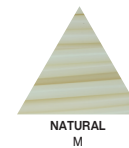
| | |
|-------------------|---------------|
| Print Temperature | 240±10 °C |
| Hot Pad | 80-100 °C |
| Layer Height | Off (Max 20%) |

| 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.

Colores Disponibles / Available Colours



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.

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