

MEDICAL ULTRA

High quality filament specially designed for medical applications. This material has the USP 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
<i>Material Density</i>	1,05 g/cm ³	ISO 1183
<i>Chemical Name</i>	Acrylonitrile Butadiene Styrene	
Mechanical Properties	Typical Value	Test Method
<i>Charpy Impact Strength²</i>	124 kJ/m ²	ISO 179
<i>Flexural Modulus</i>	2600 MPa	ISO 178
<i>Flexural Strenght</i>	75 MPa	ISO 178
<i>Notched Izod Impact</i>	15 kJ/m ²	ISO 180
<i>Tensile Yield Strenght</i>	36.5 MPa	ISO 527
<i>Tensile Modulus</i> <small>(2) at 23°C</small>	2550 MPa	ISO 527
Thermal Properties	Typical Value	Test Method
<i>Heat Distorsion Temperature</i>	98 °C	ISO 75
<i>Vicat Softening Temperature</i>	101 °C	ISO 306
Printing Properties	Typical Value	
<i>Print Temperature</i>	240±10 °C	
<i>Hot Pad</i>	80-100 °C	
<i>Layer Height</i>	Off (Max 20%)	



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