

### MEDICAL

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.

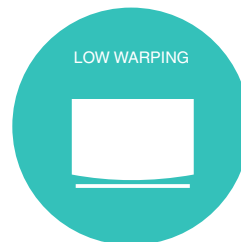


Recyclable  
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Biocompatible  
Biocompatible  
Biocompatible

	TYPICAL VALUE	UNITS	TEST METHOD		
<b>PHYSICAL PROPERTIES</b>					
Chemical Name	Acrylonitrile Butadiene Styrene				
Material Density	1.05	g/cm <sup>3</sup>	ISO 1183		
<b>MECHANICAL PROPERTIES</b>					
Charpy Notched Impact Strength (23°)	124	kJ/m <sup>2</sup>	ISO 179		
Flexural Modulus	2600	MPa	ISO 178		
Flexural Strength	75	MPa	ISO 178		
Notched Izod Impact	15	kJ/m <sup>2</sup>	ISO 180		
Tensile Stress at Yield	36.5	MPa	ISO 527		
Tensile Modulus	2550	MPa	ISO 527		
<b>THERMAL PROPERTIES</b>					
Thermal deflection temperature	98	°C	ISO 75		
Vicat softening temperature	101	°C	ISO 306		
<b>PRINTING PROPERTIES</b>					
Print Temperature	230-250	°C			
Hot Pad	80-100	°C			
Fan Layer	OFF (Max 20)	%			
<b>SIZE</b>	<b>NET W.</b>	<b>GROSS W.</b>	<b>DIAMETERS</b>	<b>COLOR</b>	<b>PACKAGING</b>
M	750 g	975 g	1.75 mm/2.85 mm	Natural	SmartBag, security seal, desiccant bag



DISCLAIMER: The information provided in the data sheets is intended to be just a reference. It should not be used as design or quality control values. Actual values may differ significantly depending on the printing conditions. The final performance of the printed components does not only depend on the materials, also the design and printing conditions are important.

Smart Materials assumes no responsibility for any damage, injury or loss produced by the use of its filaments in any particular application.