

ABS Medical

ABS Medical created for use in the medical field and made using innovative FDM technologies in the room at a controlled temperature, satisfies the need for a material with the highest health certifications, which can be used in medical contexts.



Material properties

Density	ISO 1183	1,06	g/cm ³
Suitability for food contact		YES	
Tensile strength	ISO 527	34	MPa
Elongation at break	ISO 527	31	%
Yield strength	ISO 527	46	MPa
Flexural strength	ISO 178	76	MPa
Resilience	ISO 179	20	kJ/m ²
HDT 0.45 MPa	ISO 75	83	°C
Vicat softening temperature	ISO 306	104	°C
Flammability	UL94	HB	

Printing layer height

0,15 mm (0,006 in)

Maximum dimensions

250x250x250 mm (9.8x9.8x9.8 in)

Infill

30%

Shell thickness

1,8 mm (0,07 in)

Tolerances

± 0,50mm < 100mm / ± 0,6% > 100mm

Applications

ABS is used extensively in various sectors such as the automotive and consumer goods industries due to an attractive mix of mechanical properties, ductility and temperature resistance. This material has been developed, tested and certified by our R&D department for skin compatibility and as a medical device in the most diverse applications.

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