

Product Texts

Made using ULTEM™ 1010

Printed Spesimen Conditions

Printer: Open Source FDM/FFF

Nozzle: 0,4 mm

Layer Height: 0,25 mm

Infill: 100%, +/- 45°

Extrusion Temp: 380-400°C

Bed Temp: 130-140°C

Specimen Orientation: XY Flat

Thermal properties	Value	Unit	Test Standard
ISO Data			
Glass transition temperature, 10°C/min	217	°C	ISO 11357-1/-2
Temp. of deflection under load, 0.45 MPa	208	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

Other properties	Value	Unit	Test Standard
Density	1270	kg/m ³	ISO 1183

3D Data	Value	Unit	Test Standard
Tensile modulus, flat	2500^[1]	MPa	-
Tensile strength, flat	56^[1]	MPa	-
Flexural modulus, flat	2510^[1]	MPa	-
Flexural strength, flat	110^[1]	MPa	-

1: 45°-45°

Characteristics

Processing

Additive Manufacturing

Regional Availability

North America, South and Central America

Delivery form

Monofilament