

Product Texts

Made using ULTEM™ 9085

Printed Spesimen Conditions

Printer: Open Source FDM/FFF

Nozzle: 0,4 mm

Layer Height: 0,25 mm

Infill: 100%, +/- 45°

Extrusion Temp: 365-385°C

Bed Temp: 130-140°C

Specimen Orientation: XY Flat

Thermal properties	Value	Unit	Test Standard
ISO Data			
Glass transition temperature, 10°C/min	186	°C	ISO 11357-1/-2
Temp. of deflection under load, 0.45 MPa	158	°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	1340	kg/m³	ISO 1183

3D Data	Value	Unit	Test Standard
Tensile modulus, flat	2050⁽¹⁾	MPa	-
Tensile strength, flat	54⁽¹⁾	MPa	-
Flexural modulus, flat	2170⁽¹⁾	MPa	-
Flexural strength, flat	90⁽¹⁾	MPa	-

1: 45°-45°

Characteristics

Processing

Additive Manufacturing

Delivery form

Monofilament

Regional Availability

North America, South and Central America