

Product Texts**Printed Specimen Conditions**

Printer: Open Source FDM/FFF

Nozzle: 0,4 mm

Layer Height: 0,25 mm

Infill: 100%, +/- 45°

Extrusion Temp: 235°C

Bed Temp: 110°C

Specimen Orientation: XY Flat

Thermal properties	Value	Unit	Test Standard
ISO Data			
Glass transition temperature, 10°C/min	105	°C	ISO 11357-1/-2
Temp. of deflection under load, 0.45 MPa	95	°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	1180	kg/m ³	ISO 1183

3D Data	Value	Unit	Test Standard
Tensile modulus, flat	1990 ^[1]	MPa	-
Stress at break, flat	45 ^[1]	MPa	-
Strain at break, flat	4 ^[1]	%	-
Flexural modulus, flat	2250 ^[1]	MPa	-
Flexural strength, flat	80 ^[1]	MPa	-

1: 45°-45°

Characteristics**Processing**

Additive Manufacturing

Special Characteristics

Flame retardant

Delivery form

Monofilament, Black

Regional Availability

North America, South and Central America