

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: 100°C

Specimen Orientation: XY Flat

Thermal properties	Value	Unit	Test Standard
ISO Data			
Glass transition temperature, 10°C/min	100	°C	ISO 11357-1/-2
Temp. of deflection under load, 0.45 MPa	88	°C	ISO 75-1/-2

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1E13	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1090	kg/m ³	ISO 1183

3D Data	Value	Unit	Test Standard
Tensile modulus, flat	2000^[1]	MPa	-
Stress at break, flat	47^[1]	MPa	-
Strain at break, flat	15^[1]	%	-
Flexural modulus, flat	2200^[1]	MPa	-
Flexural strength, flat	80^[1]	MPa	-

1: 45°-45°

Characteristics

Processing

Additive Manufacturing

Special Characteristics

Transparent

Delivery form

Monofilament, Black

Regional Availability

North America, South and Central America