

**Product Texts**

**Printed Specimen Conditions**

Printer: Open Source FDM/FFF

Nozzle: 0,4 mm

Layer Height: 0,25 mm

Infill: 100%, +/- 45°

Extrusion Temp: 385°C

Bed Temp: 130°C

Specimen Orientation: XY Flat

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Glass transition temperature, 10°C/min	<b>165</b>	°C	ISO 11357-1/-2
Temp. of deflection under load, 0.45 MPa	<b>270</b>	°C	ISO 75-1/-2

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Surface resistivity	<b>1E9</b>	Ohm	IEC 62631-3-2

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1380</b>	kg/m <sup>3</sup>	ISO 1183

<b>3D Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile modulus, flat	<b>8210<sup>[1]</sup></b>	MPa	-
Stress at break, flat	<b>105<sup>[1]</sup></b>	MPa	-
Strain at break, flat	<b>2.1<sup>[1]</sup></b>	%	-
Flexural modulus, flat	<b>8300<sup>[1]</sup></b>	MPa	-
Flexural strength, flat	<b>124<sup>[1]</sup></b>	MPa	-

1: 45°-45°

**Characteristics**

**Processing**

Additive Manufacturing

**Regional Availability**

North America, South and Central America

**Delivery form**

Monofilament, Black