

Product Texts**Printed Specimen Conditions**

Printer: Open Source FDM/FFF

Nozzle: 0,4 mm

Layer Height: 0,25 mm

Infill: 100%, +/- 45°

Extrusion Temp: 335-345°C

Bed Temp: 110-130°C

Specimen Orientation: XY Flat

| Thermal properties | Value | Unit | Test Standard |
|--|-------|-------|-----------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 283 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 0.45 MPa | 90 | °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 | 1280 | kg/m ³ | ISO 1183 |

| 3D Data | Value | Unit | Test Standard |
|-------------------------|---------------------|------|---------------|
| Tensile modulus, flat | 2650 ^[1] | MPa | - |
| Stress at break, flat | 50 ^[1] | MPa | - |
| Strain at break, flat | 18 ^[1] | % | - |
| Flexural modulus, flat | 2540 ^[1] | MPa | - |
| Flexural strength, flat | 52 ^[1] | MPa | - |

1: 45°-45°

Characteristics**Processing**

Additive Manufacturing

Regional Availability

North America, South and Central America

Delivery form

Monofilament