

Product Texts

RF material, 3D filament

| Property | Value |
|------------------------------|--------|
| Dielectric constant, 2.4 GHz | 4.0 |
| Tolerance | ±0.1 |
| Loss tangent, 2.4 GHz | 0.0043 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Strength | 28 | MPa | ISO 527 |
| Yield stress | 30 | MPa | ISO 527 |
| Yield strain | 3 | % | ISO 527 |
| Strain at break | 14 | % | ISO 527 |
| Flexural modulus, 23°C | 1600 | MPa | ISO 178 |
| Izod impact strength, +23°C | 28 | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C | 3 | kJ/m ² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|--|-------|------|---------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 80 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 90 | °C | ISO 75-1/-2 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|----------------|
| Water absorption | 0.4 | % | Sim. to ISO 62 |
| Density | 1410 | kg/m ³ | ISO 1183 |

Characteristics**Processing**

Additive Manufacturing

Regional Availability

Europe, Asia Pacific

Delivery form

Monofilament