

Product Texts

RF material, 3D filament

Property	Value
Dielectric constant, 2.4 GHz	4.5
Tolerance	±0.15
Loss tangent, 2.4 GHz	0.0042

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	27	MPa	ISO 527
Yield stress	28	MPa	ISO 527
Yield strain	3	%	ISO 527
Strain at break	11	%	ISO 527
Flexural modulus, 23°C	1600	MPa	ISO 178
Izod impact strength, +23°C	31	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	4	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	79	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	91	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Water absorption	0.4	%	Sim. to ISO 62
Density	1520	kg/m ³	ISO 1183

Characteristics**Processing**

Additive Manufacturing

Regional Availability

Europe, Asia Pacific

Delivery form

Monofilament