

Product Texts

RF material

Property	Value
Dielectric constant, 2.4 GHz	4.4
Tolerance	±0.15
Loss tangent, 2.4 GHz	0.0009

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	14	g/10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	48	MPa	ISO 527
Yield stress	62	MPa	ISO 527
Yield strain	6	%	ISO 527
Strain at break	16	%	ISO 527
Flexural modulus, 23°C	2700	MPa	ISO 178
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	20	kJ/m ²	ISO 180/1A
Izod notched impact strength	10	kJ/m ²	ISO 180/1A
Temperature	-20	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	142	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	165	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Water absorption	0.25	%	Sim. to ISO 62
Density	1500	kg/m ³	ISO 1183

Characteristics**Regional Availability**

Europe, Asia Pacific