

Product Texts

RF material

Property	Value
Dielectric constant, 2.4 GHz	12.0
Tolerance	±0.5
Loss tangent, 2.4 GHz	0.0045

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	5	g/10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	45	MPa	ISO 527
Strain at break	1	%	ISO 527
Flexural modulus, 23°C	9300	MPa	ISO 178
Izod impact strength, +23°C	9	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	100	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	120	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	0.25	%	Sim. to ISO 62
Density	2500	kg/m ³	ISO 1183

Characteristics**Regional Availability**

Europe, Asia Pacific