

Product Texts

RF material

| Property | Value |
|------------------------------|-------|
| Dielectric constant, 2.4 GHz | 4.0 |
| Tolerance | ±0.1 |
| Loss tangent, 2.4 GHz | 0.003 |

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|-----------------|
| ISO Data | | | |
| Melt flow index, MFI | 17 | g/10min | ISO 1133 |
| Temperature | 300 | °C | - |
| Load | 5 | kg | - |
| Molding shrinkage, parallel | 0.7 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Strength | 47 | MPa | ISO 527 |
| Yield stress | 66 | MPa | ISO 527 |
| Yield strain | 6 | % | ISO 527 |
| Strain at break | 14 | % | ISO 527 |
| Flexural modulus, 23°C | 3100 | MPa | ISO 178 |
| Izod impact strength, +23°C | N | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C | 14 | kJ/m ² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|--|-------|-------|-----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 141 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 158 | °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 | 1440 | kg/m ³ | ISO 1183 |

Characteristics**Regional Availability**

Europe, Asia Pacific