

**Product Texts**

RF material

| Property                     | Value  |
|------------------------------|--------|
| Dielectric constant, 2.4 GHz | 2.6    |
| Tolerance                    | ±0.05  |
| Loss tangent, 2.4 GHz        | 0.0011 |

| Processing/Physical Characteristics | Value | Unit    | Test Standard   |
|-------------------------------------|-------|---------|-----------------|
| <b>ISO Data</b>                     |       |         |                 |
| Melt flow index, MFI                | 7     | g/10min | ISO 1133        |
| Temperature                         | 300   | °C      | -               |
| Load                                | 5     | kg      | -               |
| Molding shrinkage, parallel         | 1.0   | %       | ISO 294-4, 2577 |

| Mechanical properties               | Value | Unit              | Test Standard |
|-------------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>                     |       |                   |               |
| Tensile Strength                    | 47    | MPa               | ISO 527       |
| Yield stress                        | 54    | MPa               | ISO 527       |
| Yield strain                        | 6     | %                 | ISO 527       |
| Strain at break                     | 22    | %                 | ISO 527       |
| Flexural modulus, 23°C              | 2100  | MPa               | ISO 178       |
| Izod impact strength, +23°C         | N     | kJ/m <sup>2</sup> | ISO 180/1U    |
| Izod notched impact strength, +23°C | 35    | kJ/m <sup>2</sup> | ISO 180/1A    |
| Izod notched impact strength        | 25    | kJ/m <sup>2</sup> | ISO 180/1A    |
| Temperature                         | -20   | °C                | -             |

| Thermal properties                       | Value | Unit  | Test Standard   |
|--|-------|-------|-----------------|
| <b>ISO Data</b>                          |       |       |                 |
| Temp. of deflection under load, 1.80 MPa | 148   | °C    | ISO 75-1/-2     |
| Temp. of deflection under load, 0.45 MPa | 169   | °C    | ISO 75-1/-2     |
| Burning behav. at thickness h            | V-1   | 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          | 1040  | kg/m <sup>3</sup> | ISO 1183       |

**Characteristics****Regional Availability**

Europe, Asia Pacific