

| Mechanical properties | dry / cond | Unit | Test Standard |
|---------------------------------------|---------------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 21700 / 20000 | MPa | ISO 527 |
| Stress at break | 235 / 185 | MPa | ISO 527 |
| Strain at break | 2 / 2 | % | ISO 527 |
| Charpy impact strength, +23°C | 80 / 90 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 15 / 17 | kJ/m ² | ISO 179/1eA |

| Thermal properties | dry / cond | Unit | Test Standard |
|---|------------|-------|-----------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 262 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 250 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 250 / * | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 14 / * | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 57 / * | E-6/K | ISO 11359-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 1.6 / * | mm | - |
| Burning behav. at thickness h | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 0.8 / * | mm | - |

| Electrical properties | dry / cond | Unit | Test Standard |
|-----------------------------|-------------|-------|---------------|
| ISO Data | | | |
| Relative permittivity, 1MHz | 3.8 / 6.4 | - | IEC 62631-2-1 |
| Dissipation factor, 1MHz | 150 / 1690 | E-4 | IEC 62631-2-1 |
| Volume resistivity | 1E13 / 1E10 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | * / 1E10 | Ohm | IEC 62631-3-2 |
| Electric strength | 35 / 30 | kV/mm | IEC 60243-1 |
| Comparative tracking index | 500 / - | - | IEC 60112 |

| Other properties | dry / cond | Unit | Test Standard |
|---------------------|------------|-------------------|----------------|
| Water absorption | 4 / * | % | Sim. to ISO 62 |
| Humidity absorption | 1.2 / * | % | Sim. to ISO 62 |
| Density | 1670 / - | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Processing humidity | ≤0.15 | % | - |
| Melt temperature | 280 - 300 | °C | - |
| Mold temperature | 80 - 90 | °C | - |

Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa