

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|-------------------------------------|------------|------------------------|-----------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 190 / * | cm ³ /10min | ISO 1133 |
| Temperature | 275 / * | °C | - |
| Load | 5 / * | kg | - |
| Molding shrinkage, parallel | 0.8 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.8 / * | % | ISO 294-4, 2577 |

| Mechanical properties | dry / cond | Unit | Test Standard |
|---------------------------------------|-------------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 2100 / 1300 | MPa | ISO 527 |
| Tensile Strength | 60 / 35 | MPa | ISO 527 |
| Yield strain | 4.5 / 35 | % | ISO 527 |
| Strain at break | 35 / >50 | % | ISO 527 |
| Flexural modulus, 23°C | 1700 / 900 | MPa | ISO 178 |
| Flexural strength | 70 / 35 | MPa | ISO 178 |
| Charpy impact strength, +23°C | N / N | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | N / - | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 65 / 125 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 20 / - | kJ/m ² | ISO 179/1eA |

| Thermal properties | dry / cond | Unit | Test Standard |
|---|------------|-------|-----------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 222 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 50 / * | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 120 / * | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 120 / * | E-6/K | ISO 11359-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 1.5 / * | mm | - |

| Electrical properties | dry / cond | Unit | Test Standard |
|--------------------------------------|-------------|-------|---------------|
| ISO Data | | | |
| Comparative tracking index | 600 / - | - | IEC 60112 |
| Other Standards^[5] | | | |
| Relative permittivity, 1MHz | 2.7 / 4 | - | IEC 60250 |
| Dissipation factor, 1MHz | 160 / 1000 | E-4 | IEC 60250 |
| Volume resistivity | 1E13 / 1E11 | Ohm*m | IEC 60093 |

S: These properties are reported by the producer according standards that are different to our defaults.

| Other properties | dry / cond | Unit | Test Standard |
|---------------------|------------|-------------------|----------------|
| Water absorption | 8.1 / * | % | Sim. to ISO 62 |
| Humidity absorption | 2.6 / * | % | Sim. to ISO 62 |
| Density | 1100 / - | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | <80 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Melt temperature | 230 - 270 | °C | - |
| Mold temperature | 40 - 80 | °C | - |

Characteristics

Processing

Injection Molding

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Additives

Release agent

Regional Availability

Europe