

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|-----------------|
| ISO Data | | | |
| Melt flow index, MFI | 15 | g/10min | ISO 1133 |
| Temperature | 300 | °C | - |
| Load | 1.2 | kg | - |
| Molding shrinkage, parallel | 0.3 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.3 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 5800 | MPa | ISO 527 |
| Yield stress | 100 | MPa | ISO 527 |
| Stress at break | 90 | MPa | ISO 527 |
| Strain at break | 3.5 | % | ISO 527 |
| Flexural modulus, 23°C | 5500 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 8.8 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 8.3 | kJ/m ² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|-----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 138 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 143 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 150 | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | 52 | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 25 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 1.6 | mm | - |
| Burning behav. at thickness h | V-2 | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |
| Oxygen index | 35 | % | ISO 4589-1/-2 |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------------|-------|-------|---------------|
| ISO Data | | | |
| Relative permittivity, 1MHz | 3.1 | - | IEC 62631-2-1 |
| Volume resistivity | >1E13 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | 3E14 | Ohm | IEC 62631-3-2 |
| Electric strength | 27 | kV/mm | IEC 60243-1 |
| Comparative tracking index | 175 | - | IEC 60112 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1330 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-------|------|---------------|
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 3 - 4 | h | - |
| Melt temperature | 300 | °C | - |
| Mold temperature | 60 | °C | - |

Characteristics

Processing

Injection Molding

Additives

Release agent

Applications

Electrical and Electronical

Regional Availability

Europe, Near East/Africa

Special Characteristics

Flame retardant, Phosphorus-free