

| 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 | 0.6 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 2300 | MPa | ISO 527 |
| Yield stress | 60 | MPa | ISO 527 |
| Yield strain | 6 | % | ISO 527 |
| Stress at break | 71 | MPa | ISO 527 |
| Strain at break | >50 | % | ISO 527 |
| Flexural modulus, 23°C | 2400 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 25 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 12 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 83 | kJ/m ² | ISO 180/1A |
| Rockwell hardness | R118 | - | ISO 2039-2 |

| Thermal properties | Value | Unit | Test Standard |
|---------------------------------------------|-------|-------|-----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 124 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 148 | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | 70 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | V-2 | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | - |
| Burning behav. at thickness h | V-2 | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |
| Oxygen index | 26 | % | ISO 4589-1/-2 |

| Electrical properties | Value | Unit | Test Standard |
|------------------------------|-------|-------|---------------|
| ISO Data | | | |
| Relative permittivity, 100Hz | 3 | - | IEC 62631-2-1 |
| Relative permittivity, 1MHz | 3 | - | IEC 62631-2-1 |
| Dissipation factor, 1MHz | 20 | E-4 | IEC 62631-2-1 |
| Volume resistivity | >1E13 | Ohm*m | IEC 62631-3-1 |
| Electric strength | 17 | kV/mm | IEC 60243-1 |
| Comparative tracking index | 250 | - | IEC 60112 |

| Optical properties | Value | Unit | Test Standard |
|---------------------|-------|------|---------------|
| ASTM Data | | | |
| Haze | 1 | % | ASTM D 1003 |
| Light Transmittance | 89 | % | ASTM D 1003 |
| Index of Refraction | 1.59 | - | ASTM D 542 |

| Other properties | Value | Unit | Test Standard |
|---------------------|-------|-------------------|----------------|
| Humidity absorption | 0.32 | % | Sim. to ISO 62 |
| Density | 1200 | kg/m ³ | ISO 1183 |

Characteristics

Additives

Release agent

Applications

Automotive, Electrical and Electronical

Special Characteristics

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

Regional Availability

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