

| Mechanical properties | dry / cond | Unit | Test Standard |
|--|---------------------|-------------------|----------------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 12200 / 7700 | MPa | ISO 527 |
| ^[C] Stress at break | 200 / 131 | MPa | ISO 527 |
| ^[C] Strain at break | 4 / 7.5 | % | ISO 527 |
| Flexural modulus, 23°C | 10600 / 7000 | MPa | ISO 178 |
| Flexural strength | 290 / 191 | MPa | ISO 178 |
| ^[C] Charpy impact strength, +23°C | 99 / 109 | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 14 / 21 | kJ/m ² | ISO 179/1eA |
| Rockwell hardness | R 118 | - | ISO 2039-2 |
| ASTM Data | | | |
| Tensile Strength | 186 / 132 | MPa | ASTM D 638 |
| Elongation at Break | 3 / 4 | % | ASTM D 638 |
| Flexural Modulus | 11000 / 5900 | MPa | ASTM D 790 |
| Flexural Strength | 304 / 177 | MPa | ASTM D 790 |
| Rockwell Hardness | M 93 / | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 147 / 226 | J/m | ASTM D 256 |

[C]: CAMPUS

| Thermal properties | dry / cond | Unit | Test Standard |
|--|-------------------|-------------|----------------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 230 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 245 / * | °C | ISO 75-1/-2 |
| ^[C] Burning Behav. at thickness h | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 0.8 / * | mm | - |
| Yellow Card available | yes / * | - | - |
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 0.75 | mm | - |
| DTUL @ 66 psi | 250 | °C | ASTM D 648 |
| DTUL @ 264 psi | 240 | °C | ASTM D 648 |

[C]: CAMPUS

| Electrical properties | dry / cond | Unit | Test Standard |
|---|-------------------|-------------|----------------------|
| ISO Data | | | |
| ^[C] Volume resistivity | 1E13 / - | Ohm*m | IEC 62631-3-1 |
| ^[C] Surface resistivity | * / 1E15 | Ohm | IEC 62631-3-2 |
| ^[C] Electric strength | 32 / - | kV/mm | IEC 60243-1 |
| ^[C] Comparative tracking index | 600 / - | - | IEC 60112 |
| ASTM Data | | | |
| Dielectric Strength, Short Time | 32 / - | kV/mm | ASTM D 149 |
| Volume Resistivity | 1E15 / - | Ohm*cm | ASTM D 257 |

[C]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|------------------------------------|-------------------|-------------------|----------------------|
| ^[C] Humidity absorption | 1.6 / * | % | Sim. to ISO 62 |
| ^[C] Density | 1500 / - | kg/m ³ | ISO 1183 |
| Density | 1500 | kg/m ³ | ASTM D 792 |

[C]: CAMPUS

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 80 - 90 | °C | - |
| Pre-drying - Time | 2 - 3 | h | - |
| Melt temperature | 270 - 290 | °C | - |
| Mold temperature | 75 - 85 | °C | - |

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

High impact or impact modified

Applications

Automotive

Regional Availability

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