

| Mechanical properties | dry / cond | Unit | Test Standard |
|--|--------------|-------------------|---------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 3500 / 1100 | MPa | ISO 527 |
| ^[C] Yield stress | * / 44 | MPa | ISO 527 |
| ^[C] Yield strain | * / 24 | % | ISO 527 |
| ^[C] Stress at break | 69 / * | MPa | ISO 527 |
| ^[C] Strain at break | 10 / * | % | ISO 527 |
| Flexural modulus, 23°C | 2900 / 1000 | MPa | ISO 178 |
| Flexural strength | 117 / 37.2 | MPa | ISO 178 |
| ^[C] Charpy impact strength, +23°C | N / N | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 4 / 11 | kJ/m ² | ISO 179/1eA |
| Rockwell hardness | R 118 | - | ISO 2039-2 |
| ASTM Data | | | |
| Tensile Strength | 79 / 47 | MPa | ASTM D 638 |
| Elongation at Break | 25 / 80 | % | ASTM D 638 |
| Flexural Modulus | 2900 / 1100 | MPa | ASTM D 790 |
| Flexural Strength | 118 / 44 | MPa | ASTM D 790 |
| Rockwell Hardness | R 118 / R 90 | - | ASTM D 785 |
| Taber Abrasion Resistance | 8 | mg/1000 cycles | ASTM D 1044 |
| Izod Impact notched, 1/8 in | 29 / 118 | J/m | ASTM D 256 |

[C]: CAMPUS

| Thermal properties | dry / cond | Unit | Test Standard |
|--|------------|-------|-----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 62 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 203 / * | °C | ISO 75-1/-2 |
| ^[C] Burning Behav. at thickness h | V-0 / * | class | IEC 60695-11-10 |
| Thickness tested | 0.8 / * | mm | - |
| Yellow Card available | yes / * | - | - |
| Glow Wire Flammability Index (GWFI) | 960 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (1) | 3 | mm | - |
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 0.75 | mm | - |
| Coefficient of Thermal Expansion, MD | 80 | E-6/K | ASTM D 696 |
| DTUL @ 66 psi | 209 | °C | ASTM D 648 |
| DTUL @ 264 psi | 66 | °C | ASTM D 648 |
| Limiting Oxygen Index | 32 | % | ASTM D 2863 |

[C]: CAMPUS

| Electrical properties | dry / cond | Unit | Test Standard |
|---|------------|--------|---------------|
| ISO Data | | | |
| ^[C] Volume resistivity | 1E12 / - | Ohm*m | IEC 62631-3-1 |
| ^[C] Surface resistivity | * / 1E13 | Ohm | IEC 62631-3-2 |
| ^[C] Electric strength | 19 / - | kV/mm | IEC 60243-1 |
| ^[C] Comparative tracking index | 600 / - | - | IEC 60112 |
| ASTM Data | | | |
| Dielectric Strength, Short Time | 19 / - | kV/mm | ASTM D 149 |
| Volume Resistivity | 1E14 / - | Ohm*cm | ASTM D 257 |

[C]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|------------------------------------|------------|-------------------|----------------|
| ^[C] Humidity absorption | 2.4 / * | % | Sim. to ISO 62 |
| ^[C] Density | 1160 / - | kg/m ³ | ISO 1183 |
| Density | 1160 | 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 | 250 - 260 | °C | - |
| Mold temperature | 75 - 85 | °C | - |

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

Flame retardant

Applications

Automotive

Regional Availability

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