

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 10 | g/10min | ASTM D 1238 |
| Temperature | 300 | °C | - |
| Load | 1.2 | kg | - |
| Mold Shrinkage, MD | 0.006 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Tensile Modulus | 2410 | MPa | ASTM D 638 |
| Tensile Strength at Yield | 60 | MPa | ASTM D 638 |
| Tensile Strength at Break | 71 | MPa | ASTM D 638 |
| Elongation at Yield | 6 | % | ASTM D 638 |
| Elongation at Break | 150 | % | ASTM D 638 |
| Flexural Modulus | 2410 | MPa | ASTM D 790 |
| Flexural Strength | 96 | MPa | ASTM D 790 |
| Rockwell Hardness | M 73 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 900 | J/m | ASTM D 256 |
| Izod Impact unnotched, 1/8 in | N | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|---------------------------------------|--------------|-------------|----------------------|
| ISO Data | | | |
| Burning behav. at 1.5 mm nom. thickn. | V-2 | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | - |
| Yellow Card available | yes | - | - |
| Glow Wire Flammability Index (GWFI) | 850 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (1) | 1 | mm | - |
| Glow Wire Ignition Temperature (GWIT) | 850 | °C | IEC 60695-2-13 |
| GWIT - thickness tested (1) | 1 | mm | - |
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 3 | mm | - |
| Coefficient of Thermal Expansion, MD | 68 | E-6/K | ASTM D 696 |
| DTUL @ 66 psi | 138 | °C | ASTM D 648 |
| DTUL @ 264 psi | 126 | °C | ASTM D 648 |
| Vicat Temperature | 146 | °C | ASTM D 1525 |
| Limiting Oxygen Index | 35 | % | ASTM D 2863 |

| Electrical properties | Value | Unit | Test Standard |
|---------------------------------|--------------|-------------|----------------------|
| ISO Data | | | |
| Comparative tracking index | 250 | - | IEC 60112 |
| ASTM Data | | | |
| Dielectric Strength, Short Time | 17 | kV/mm | ASTM D 149 |
| Dissipation Factor, 60 Hz | 0.001 | - | ASTM D 150 |
| Dielectric Constant, 60 Hz | 3 | - | ASTM D 150 |
| Volume Resistivity | 2E17 | Ohm*cm | ASTM D 257 |

| Optical properties | Value | Unit | Test Standard |
|---------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Haze | 1.1 | % | ASTM D 1003 |
| Light Transmittance | 89 | % | ASTM D 1003 |
| Index of Refraction | 1.59 | - | ASTM D 542 |

| Other properties | Value | Unit | Test Standard |
|-------------------------------|--------------|-------------------|----------------------|
| Water Absorption, 24hr | 0.15 | % | ASTM D 570 |
| Water Absorption, Equilibrium | 0.32 | % | ASTM D 570 |
| Density | 1200 | kg/m ³ | ASTM D 792 |

Characteristics**Processing**

Injection Molding, Other Extrusion

Additives

Release agent

Special Characteristics

Flame retardant, Halogen-free, High impact or impact modified, Heat stabilized or stable to heat, Transparent

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific, South and Central America