

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Modulus | 3100 | MPa | ASTM D 638 |
| Tensile Strength | 94 | MPa | ASTM D 638 |
| Elongation at Yield | 6.7 | % | ASTM D 638 |
| Elongation at Break | 35 | % | ASTM D 638 |
| Compressive Strength | 118 | MPa | ASTM D 695 |
| Flexural Modulus | 3300 | MPa | ASTM D 790 |
| Flexural Strength | 134 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 75 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|------------------------------|-------|------|---------------|
| ASTM Data | | | |
| Melting Temperature | 340 | °C | ASTM D 3418 |
| Glass Transition Temperature | 158 | °C | ASTM E 1356 |

| Electrical properties | Value | Unit | Test Standard |
|----------------------------|-------|------|---------------|
| ASTM Data | | | |
| Dissipation Factor, 60 Hz | 0.002 | - | ASTM D 150 |
| Dissipation Factor, 1 MHz | 0.006 | - | ASTM D 150 |
| Dielectric Constant, 60 Hz | 3.21 | - | ASTM D 150 |
| Dielectric Constant, 1 MHz | 3.18 | - | ASTM D 150 |

| Other properties | Value | Unit | Test Standard |
|------------------------|-------|-------------------|---------------|
| Water Absorption, 24hr | 0.5 | % | ASTM D 570 |
| Density | 1320 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 149 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Melt temperature | 382 - 404 | °C | - |
| Mold temperature | 166 - 193 | °C | - |
| Zone 1 | 366 | °C | - |
| Zone 2 | 371 | °C | - |
| Zone 3 | 377 | °C | - |
| Nozzle temperature | 382 | °C | - |

Characteristics

Processing

Injection Molding, Fiber Extrusion, Film Extrusion, Profile Extrusion, Wire/Cable Extrusion, Blow Molding, Thermoforming

Delivery form

Pellets, Natural Color

Special Characteristics

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

Features

Ductile, Fatigue Resistance

Chemical Resistance

General Chemical Resistance

Regional Availability

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