

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|-------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.006 | mm/mm | ASTM D 955 |
| Mold Shrinkage, TD | 0.006 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------|-------|----------------|---------------|
| ASTM Data | | | |
| Tensile Strength | 84 | MPa | ASTM D 638 |
| Compressive Modulus | 1630 | MPa | ASTM D 695 |
| Compressive Strength | 109 | MPa | ASTM D 695 |
| Flexural Modulus | 2550 | MPa | ASTM D 790 |
| Flexural Strength | 129 | MPa | ASTM D 790 |
| Rockwell Hardness | R 120 | - | ASTM D 785 |
| Taber Abrasion Resistance | 20 | mg/1000 cycles | ASTM D 1044 |
| Izod Impact notched, 1/4 in | 85 | J/m | ASTM D 256 |
| Izod Impact unnotched, 1/4 in | N | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------------------------|-------|-------|---------------|
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 0.46 | mm | - |
| Coefficient of Thermal Expansion, MD | 55 | E-6/K | ASTM D 696 |
| Coefficient of Thermal Expansion, TD | 57 | E-6/K | ASTM D 696 |
| DTUL @ 66 psi | 210 | °C | ASTM D 648 |
| DTUL @ 264 psi | 203 | °C | ASTM D 648 |
| Vicat Temperature | 222 | °C | ASTM D 1525 |
| Limiting Oxygen Index | 38 | % | ASTM D 2863 |

| Electrical properties | Value | Unit | Test Standard |
|---------------------------------|-------|--------|---------------|
| ASTM Data | | | |
| Dielectric Strength, Short Time | 16 | kV/mm | ASTM D 149 |
| Dissipation Factor, 60 Hz | 0.001 | - | ASTM D 150 |
| Dielectric Constant, 60 Hz | 3.5 | - | ASTM D 150 |
| Volume Resistivity | >1E15 | Ohm*cm | ASTM D 257 |
| Arc Resistance | 70 | s | ASTM D 495 |

| Other properties | Value | Unit | Test Standard |
|------------------------|-------|-------------------|---------------|
| Water Absorption, 24hr | 0.43 | % | ASTM D 570 |
| Density | 1370 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---------------------------------------------|-----------|------|---------------|
| Pre-drying - Temperature | 160 - 180 | °C | - |
| Pre-drying - Time | 5 - 24 | h | - |
| Mold temperature | 120 - 180 | °C | - |
| Zone 1 | 300 - 340 | °C | - |
| Zone 2 | 320 - 370 | °C | - |
| Zone 3 | 330 - 380 | °C | - |
| Nozzle temperature | 330 - 380 | °C | - |
| Screw speed | 50 - 100 | rpm | - |
| Injection pressure | 100 - 200 | MPa | - |
| Back pressure | 5 - 10 | MPa | - |
| Holding pressure | 50 - 100 | MPa | - |

Characteristics

Processing

Injection Molding, Other Extrusion

Delivery form

Pellets

Special Characteristics

Heat stabilized or stable to heat

Features

Amorphous

Regional Availability

North America, Europe, Asia Pacific