

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|------------|-------------------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.005 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ASTM Data | | | |
| Tensile Modulus | 5585 | MPa | ASTM D 638 |
| Tensile Strength | 89.6 | MPa | ASTM D 638 |
| Flexural Modulus | 4826 | MPa | ASTM D 790 |
| Flexural Strength | 138 | MPa | ASTM D 790 |
| Rockwell Hardness | R 115 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 53.4 | J/m | ASTM D 256 |
| Thermal properties | | | |
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 0.794 | mm | - |
| DTUL @ 66 psi | 216 | °C | ASTM D 648 |
| DTUL @ 264 psi | 204 | °C | ASTM D 648 |
| Electrical properties | | | |
| ASTM Data | | | |
| Dielectric Strength, Short Time | 19.7 | kV/mm | ASTM D 149 |
| Dissipation Factor, 1 MHz | 0.017 | - | ASTM D 150 |
| Dielectric Constant, 1 MHz | 4 | - | ASTM D 150 |
| Volume Resistivity | >1E15 | Ohm*cm | ASTM D 257 |
| Other properties | | | |
| Water Absorption, 24hr | 0.8 | % | ASTM D 570 |
| Density | 1480 | kg/m ³ | ASTM D 792 |
| Moisture Content | 0.2 | % | - |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 79.4 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Melt temperature | 277 - 299 | °C | - |
| Mold temperature | 65.6 - 107 | °C | - |
| Injection pressure | 68.9 - 124 | MPa | - |

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant, U.V. stabilized or stable to weather