

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|--------|-------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.011 | mm/mm | ASTM D 955 |
| Mold Shrinkage, TD | 0.0135 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Modulus | 3450 | MPa | ASTM D 638 |
| Tensile Strength | 80 | MPa | ASTM D 638 |
| Flexural Modulus | 3000 | MPa | ASTM D 790 |
| Flexural Strength | 115 | MPa | ASTM D 790 |
| Rockwell Hardness | R 120 | - | ASTM D 785 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------------------------|-------|-------|---------------|
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Coefficient of Thermal Expansion, MD | 80 | E-6/K | ASTM D 696 |
| DTUL @ 66 psi | 190 | °C | ASTM D 648 |
| DTUL @ 264 psi | 60 | °C | ASTM D 648 |
| Melting Temperature | 222 | °C | ASTM D 3418 |

| Electrical properties | Value | Unit | Test Standard |
|---------------------------------|-------|--------|---------------|
| ASTM Data | | | |
| Dielectric Strength, Short Time | 20 | kV/mm | ASTM D 149 |
| Dissipation Factor, 1 MHz | 0.02 | - | ASTM D 150 |
| Dielectric Constant, 1 MHz | 3.4 | - | ASTM D 150 |
| Volume Resistivity | 1E14 | Ohm*cm | ASTM D 257 |

| Other properties | Value | Unit | Test Standard |
|------------------------|-------|-------|---------------|
| Water Absorption, 24hr | 1.2 | % | ASTM D 570 |
| Density | 1150 | kg/m³ | ASTM D 792 |

Characteristics

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Regional Availability

North America, Asia Pacific

Applications

Automotive, Electrical and Electronical