

| Processing/Physical Characteristics | Value | Unit  | Test Standard |
|-------------------------------------|-------|-------|---------------|
| <b>ASTM Data</b>                    |       |       |               |
| Mold Shrinkage, MD                  | 0.009 | mm/mm | ASTM D 955    |
| Mold Shrinkage, TD                  | 0.011 | mm/mm | ASTM D 955    |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------|-------|------|---------------|
| <b>ASTM Data</b>      |       |      |               |
| Tensile Modulus       | 5100  | MPa  | ASTM D 638    |
| Tensile Strength      | 100   | MPa  | ASTM D 638    |
| Flexural Modulus      | 4400  | MPa  | ASTM D 790    |
| Flexural Strength     | 145   | MPa  | ASTM D 790    |
| Rockwell Hardness     | R 115 | -    | ASTM D 785    |

| Thermal properties  | Value | Unit | Test Standard |
|---------------------|-------|------|---------------|
| <b>ASTM Data</b>    |       |      |               |
| UL 94 Flame rating  | HB    | -    | UL 94         |
| DTUL @ 66 psi       | 210   | °C   | ASTM D 648    |
| DTUL @ 264 psi      | 190   | °C   | ASTM D 648    |
| Melting Temperature | 222   | °C   | ASTM D 3418   |

| Electrical properties           | Value | Unit   | Test Standard |
|---------------------------------|-------|--------|---------------|
| <b>ASTM Data</b>                |       |        |               |
| Dielectric Strength, Short Time | 22    | kV/mm  | ASTM D 149    |
| Dissipation Factor, 1 MHz       | 0.02  | -      | ASTM D 150    |
| Dielectric Constant, 1 MHz      | 3.8   | -      | ASTM D 150    |
| Volume Resistivity              | 1E15  | Ohm*cm | ASTM D 257    |

| Other properties       | Value | Unit  | Test Standard |
|------------------------|-------|-------|---------------|
| Water Absorption, 24hr | 1.3   | %     | ASTM D 570    |
| Density                | 1220  | kg/m³ | ASTM D 792    |

**Characteristics**

**Special Characteristics**  
High impact or impact modified

**Regional Availability**  
North America, Asia Pacific

**Applications**  
Automotive, Electrical and Electrical