

| <b>Processing/Physical Characteristics</b> | <b>Value</b>         | <b>Unit</b>       | <b>Test Standard</b> |
|--|----------------------|-------------------|----------------------|
| <b>ASTM Data</b>                           |                      |                   |                      |
| Mold Shrinkage, MD                         | <b>0.0055</b>        | mm/mm             | ASTM D 955           |
| Mold Shrinkage, TD                         | <b>0.0085</b>        | mm/mm             | ASTM D 955           |
| <b>Mechanical properties</b>               | <b>dry / cond</b>    | <b>Unit</b>       | <b>Test Standard</b> |
| <b>ISO Data</b>                            |                      |                   |                      |
| Charpy impact strength, +23°C              | <b>45 / 52</b>       | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C      | <b>8 / 9</b>         | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <b>ASTM Data</b>                           |                      |                   |                      |
| Tensile Modulus                            | <b>5900 / 4600</b>   | MPa               | ASTM D 638           |
| Tensile Strength                           | <b>115 / 85</b>      | MPa               | ASTM D 638           |
| Flexural Modulus                           | <b>5500 / 4100</b>   | MPa               | ASTM D 790           |
| Flexural Strength                          | <b>160 / 100</b>     | MPa               | ASTM D 790           |
| Rockwell Hardness                          | <b>R 120 / R 115</b> | -                 | ASTM D 785           |
| <b>Thermal properties</b>                  | <b>Value</b>         | <b>Unit</b>       | <b>Test Standard</b> |
| <b>ASTM Data</b>                           |                      |                   |                      |
| UL 94 Flame rating                         | <b>V-0</b>           | -                 | UL 94                |
| Coefficient of Thermal Expansion, MD       | <b>35</b>            | E-6/K             | ASTM D 696           |
| DTUL @ 66 psi                              | <b>238</b>           | °C                | ASTM D 648           |
| DTUL @ 264 psi                             | <b>220</b>           | °C                | ASTM D 648           |
| Melting Temperature                        | <b>260</b>           | °C                | ASTM D 3418          |
| <b>Electrical properties</b>               | <b>dry / cond</b>    | <b>Unit</b>       | <b>Test Standard</b> |
| <b>ASTM Data</b>                           |                      |                   |                      |
| Dielectric Strength, Short Time            | <b>40 / -</b>        | kV/mm             | ASTM D 149           |
| Dissipation Factor, 1 MHz                  | <b>0.02 / -</b>      | -                 | ASTM D 150           |
| Dielectric Constant, 1 MHz                 | <b>3 / -</b>         | -                 | ASTM D 150           |
| Volume Resistivity                         | <b>1E15 / -</b>      | Ohm*cm            | ASTM D 257           |
| <b>Other properties</b>                    | <b>Value</b>         | <b>Unit</b>       | <b>Test Standard</b> |
| Water Absorption, 24hr                     | <b>0.8</b>           | %                 | ASTM D 570           |
| Density                                    | <b>1450</b>          | kg/m <sup>3</sup> | 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