

| Processing/Physical Characteristics         | Value         | Unit              | Test Standard |
|---|---------------|-------------------|---------------|
| <b>ASTM Data</b>                            |               |                   |               |
| Mold Shrinkage, MD                          | 0.002         | mm/mm             | ASTM D 955    |
| Mold Shrinkage, TD                          | 0.005         | mm/mm             | ASTM D 955    |
| Mechanical properties                       | dry / cond    | Unit              | Test Standard |
| <b>ASTM Data</b>                            |               |                   |               |
| Tensile Strength                            | 200 / 180     | MPa               | ASTM D 638    |
| Flexural Modulus                            | 11000 / 10000 | MPa               | ASTM D 790    |
| Flexural Strength                           | 340 / 310     | MPa               | ASTM D 790    |
| Izod Impact notched, 1/8 in                 | 100 / 120     | J/m               | ASTM D 256    |
| Thermal properties                          | Value         | Unit              | Test Standard |
| <b>ASTM Data</b>                            |               |                   |               |
| UL 94 Flame rating                          | HB            | -                 | UL 94         |
| DTUL @ 264 psi                              | 280           | °C                | ASTM D 648    |
| Melting Temperature                         | 300           | °C                | ASTM D 3418   |
| Glass Transition Temperature                | 140           | °C                | ASTM E 1356   |
| Electrical properties                       | dry / cond    | Unit              | Test Standard |
| <b>ASTM Data</b>                            |               |                   |               |
| Dielectric Strength, Short Time             | 28 / -        | kV/mm             | ASTM D 149    |
| Volume Resistivity                          | >1E15 / -     | Ohm*cm            | ASTM D 257    |
| Other properties                            | Value         | Unit              | Test Standard |
| Water Absorption, 24hr                      | 0.3           | %                 | ASTM D 570    |
| Density                                     | 1470          | kg/m <sup>3</sup> | ASTM D 792    |
| Processing Recommendation Injection Molding | Value         | Unit              | Test Standard |
| Pre-drying - Temperature                    | 110           | °C                | -             |
| Pre-drying - Time                           | 2 - 6         | h                 | -             |
| Mold temperature                            | 90 - 140      | °C                | -             |
| Feed temperature                            | 50 - 90       | °C                | -             |
| Zone 1                                      | 315 - 330     | °C                | -             |
| Zone 2                                      | 320 - 335     | °C                | -             |
| Zone 3                                      | 325 - 340     | °C                | -             |
| Nozzle temperature                          | 325 - 340     | °C                | -             |
| Screw speed                                 | 150           | rpm               | -             |

## Characteristics

### Processing

Injection Molding

### Applications

Automotive

### Delivery form

Pellets

### Regional Availability

North America, Europe, Asia Pacific