

| <b>Processing/Physical Characteristics</b>         | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|--|--------------|-------------------|----------------------|
| <b>ISO Data</b>                                    |              |                   |                      |
| Molding shrinkage, parallel                        | 0.2          | %                 | ISO 294-4, 2577      |
| <b>Mechanical properties</b>                       |              |                   |                      |
| <b>ISO Data</b>                                    |              |                   |                      |
| Tensile Modulus                                    | 15500        | MPa               | ISO 527              |
| Stress at break                                    | 208          | MPa               | ISO 527              |
| Strain at break                                    | 1.8          | %                 | ISO 527              |
| Flexural modulus, 23°C                             | 11200        | MPa               | ISO 178              |
| Charpy impact strength, +23°C                      | 80           | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C              | 28           | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <b>Thermal properties</b>                          |              |                   |                      |
| <b>ISO Data</b>                                    |              |                   |                      |
| Temp. of deflection under load, 1.80 MPa           | 240          | °C                | ISO 75-1/-2          |
| Temp. of deflection under load, 8.00 MPa           | 210          | °C                | ISO 75-1/-2          |
| Oxygen index                                       | 35           | %                 | ISO 4589-1/-2        |
| <b>ASTM Data</b>                                   |              |                   |                      |
| UL 94 Flame rating                                 | V-0          | -                 | UL 94                |
| Thickness tested                                   | 1.6          | mm                | -                    |
| <b>Electrical properties</b>                       |              |                   |                      |
| <b>ISO Data</b>                                    |              |                   |                      |
| Comparative tracking index                         | 600          | -                 | IEC 60112            |
| <b>Other properties</b>                            |              |                   |                      |
| Density  | 1590         | kg/m <sup>3</sup> | ISO 1183             |
| <b>Processing Recommendation Injection Molding</b> |              |                   |                      |
| Pre-drying - Temperature                           | 80           | °C                | -                    |
| Pre-drying - Time                                  | 4            | h                 | -                    |
| Melt temperature                                   | 250 - 280    | °C                | -                    |
| Mold temperature                                   | 90 - 120     | °C                | -                    |
| Back pressure                                      | 2.5          | MPa               | -                    |

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

Flame retardant, Halogen-free, Heat stabilized or stable to heat

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa