

| Processing/Physical Characteristics                | Value     | Unit              | Test Standard   |
|--|-----------|-------------------|-----------------|
| <b>ISO Data</b>                                    |           |                   |                 |
| Molding shrinkage, parallel                        | 0.6       | %                 | ISO 294-4, 2577 |
| Molding shrinkage, normal                          | 0.6       | %                 | ISO 294-4, 2577 |
| <b>Mechanical properties</b>                       |           |                   |                 |
| <b>ISO Data</b>                                    |           |                   |                 |
| Yield stress                                       | 64        | MPa               | ISO 527         |
| Nominal strain at break                            | >50       | %                 | ISO 527         |
| Flexural modulus, 23°C                             | 2250      | MPa               | ISO 178         |
| Flexural strength                                  | 98        | MPa               | ISO 178         |
| Charpy impact strength, +23°C                      | N         | kJ/m <sup>2</sup> | ISO 179/1eU     |
| Charpy notched impact strength, +23°C              | 13        | kJ/m <sup>2</sup> | ISO 179/1eA     |
| <b>Thermal properties</b>                          |           |                   |                 |
| <b>ISO Data</b>                                    |           |                   |                 |
| Temp. of deflection under load, 1.80 MPa           | 126       | °C                | ISO 75-1/-2     |
| Coeff. of linear therm. expansion, parallel        | 70        | E-6/K             | ISO 11359-1/-2  |
| Coeff. of linear therm. expansion, normal          | 70        | E-6/K             | ISO 11359-1/-2  |
| Burning behav. at 1.5 mm nom. thickn.              | V-0       | class             | IEC 60695-11-10 |
| Thickness tested                                   | 1.5       | mm                | -               |
| Burning behav. 5V at thickness h                   | 5VA       | class             | IEC 60695-11-20 |
| Thickness tested                                   | 3.0       | mm                | -               |
| Glow Wire Flammability Index (GWFI)                | 960       | °C                | IEC 60695-2-12  |
| GWFI - thickness tested (1)                        | 1.5       | mm                | -               |
| Glow Wire Flammability Index (GWFI)                | 960       | °C                | IEC 60695-2-12  |
| GWFI - thickness tested (2)                        | 2         | mm                | -               |
| Glow Wire Ignition Temperature (GWIT)              | 850       | °C                | IEC 60695-2-13  |
| GWIT - thickness tested (1)                        | 1.5       | mm                | -               |
| Glow Wire Ignition Temperature (GWIT)              | 850       | °C                | IEC 60695-2-13  |
| GWIT - thickness tested (2)                        | 2         | mm                | -               |
| <b>Electrical properties</b>                       |           |                   |                 |
| <b>ISO Data</b>                                    |           |                   |                 |
| Volume resistivity                                 | >1E13     | Ohm*m             | IEC 62631-3-1   |
| Surface resistivity                                | >1E15     | Ohm               | IEC 62631-3-2   |
| <b>Optical properties</b>                          |           |                   |                 |
| <b>ASTM Data</b>                                   |           |                   |                 |
| Light Transmittance                                | 88        | %                 | ASTM D 1003     |
| <b>Other properties</b>                            |           |                   |                 |
| Density  | 1200      | kg/m <sup>3</sup> | ISO 1183        |
| <b>Processing Recommendation Injection Molding</b> |           |                   |                 |
| Pre-drying - Temperature                           | 120       | °C                | -               |
| Pre-drying - Time                                  | 5 - 8     | h                 | -               |
| Melt temperature                                   | 270 - 320 | °C                | -               |
| Mold temperature                                   | 80 - 120  | °C                | -               |

## Characteristics

### Processing

Injection Molding, Other Extrusion

### Special Characteristics

Flame retardant, Halogen-free, U.V. stabilized or stable to weather, Transparent

**Delivery form**

Pellets

**Applications**

Electrical and Electronical, General Purpose

**Additives**

Release agent

**Regional Availability**

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