

| Processing/Physical Characteristics | Value | Unit    | Test Standard   |
|-------------------------------------|-------|---------|-----------------|
| <b>ISO Data</b>                     |       |         |                 |
| Molding shrinkage, parallel         | 0.3   | %       | ISO 294-4, 2577 |
| Molding shrinkage, normal           | 0.9   | %       | ISO 294-4, 2577 |
| Thermal conductivity of melt        | 0.3   | W/(m K) | -               |

| Mechanical properties                 | Value | Unit              | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>                       |       |                   |               |
| Tensile Modulus                       | 12000 | MPa               | ISO 527       |
| Stress at break                       | 200   | MPa               | ISO 527       |
| Strain at break                       | 2.7   | %                 | ISO 527       |
| Flexural modulus, 23°C                | 11500 | MPa               | ISO 178       |
| Flexural strength                     | 290   | MPa               | ISO 178       |
| Charpy impact strength, +23°C         | 55    | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Charpy notched impact strength, +23°C | 7.5   | kJ/m <sup>2</sup> | ISO 179/1eA   |
| Izod impact strength, +23°C           | 60    | kJ/m <sup>2</sup> | ISO 180/1U    |
| Izod notched impact strength, +23°C   | 10.5  | kJ/m <sup>2</sup> | ISO 180/1A    |
| Shore D hardness                      | 87    | -                 | ISO 7619-1    |

| Thermal properties                          | Value | Unit  | Test Standard  |
|---|-------|-------|----------------|
| <b>ISO Data</b>                             |       |       |                |
| Melting temperature, 10°C/min               | 343   | °C    | ISO 11357-1/-3 |
| Glass transition temperature, 10°C/min      | 143   | °C    | ISO 11357-1/-2 |
| Temp. of deflection under load, 1.80 MPa    | 335   | °C    | ISO 75-1/-2    |
| Coeff. of linear therm. expansion, parallel | 20    | E-6/K | ISO 11359-1/-2 |
| Glow Wire Flammability Index (GWFI)         | 960   | °C    | IEC 60695-2-12 |
| GWFI - thickness tested (1)                 | 2     | mm    | -              |

| Electrical properties      | Value | Unit  | Test Standard |
|----------------------------|-------|-------|---------------|
| <b>ISO Data</b>            |       |       |               |
| Dissipation factor, 1MHz   | 40    | E-4   | IEC 62631-2-1 |
| Volume resistivity         | 1E14  | Ohm*m | IEC 62631-3-1 |
| Electric strength          | 23    | kV/mm | IEC 60243-1   |
| Comparative tracking index | 150   | -     | IEC 60112     |

| Other properties | Value | Unit              | Test Standard  |
|------------------|-------|-------------------|----------------|
| Water absorption | 0.3   | %                 | Sim. to ISO 62 |
| Density          | 1520  | kg/m <sup>3</sup> | ISO 1183       |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | 120 - 150 | °C   | -             |
| Pre-drying - Time                           | 3 - 5     | h    | -             |
| Processing humidity                         | ≤0.02     | %    | -             |
| Mold temperature                            | 170 - 200 | °C   | -             |
| Feed temperature                            | ≤100      | °C   | -             |
| Zone 1                                      | 360       | °C   | -             |
| Zone 2                                      | 365       | °C   | -             |
| Zone 3                                      | 370       | °C   | -             |
| Zone 4                                      | 375       | °C   | -             |
| Nozzle temperature                          | 380       | °C   | -             |

**Characteristics**

**Processing**

Injection Molding

**Certifications**

Food contact, Food approval FDA 21 CFR

**Delivery form**

Pellets, Natural Color

**Special Characteristics**

Sterilizable

**Chemical Resistance**

General Chemical Resistance

**Applications**

Medical

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