

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|-----------|-------------------|-----------------|
| ISO Data | | | |
| Melt flow index, MFI | 2 | g/10min | ISO 1133 |
| Temperature | 230 | °C | - |
| Load | 3.8 | kg | - |
| Molding shrinkage, parallel | 0.6 | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Stress at break | 56 | MPa | ISO 527 |
| Strain at break | 38 | % | ISO 527 |
| Flexural modulus, 23°C | 2500 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 3.8 | kJ/m ² | ISO 179/1eA |
| Rockwell hardness | M 100 | - | ISO 2039-2 |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 94 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 103 | °C | ISO 306 |
| Electrical properties | | | |
| ISO Data | | | |
| Relative permittivity, 1MHz | 3.1 | - | IEC 62631-2-1 |
| Volume resistivity | >1E13 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | >1E15 | Ohm | IEC 62631-3-2 |
| Electric strength | 20 | kV/mm | IEC 60243-1 |
| Optical properties | | | |
| ISO Data | | | |
| Haze | 0.9 | - | ISO 14782 |
| Luminous transmittance | 92 | % | ISO 13468-1, -2 |
| Other properties | | | |
| Water absorption | 0.4 | % | Sim. to ISO 62 |
| Density | 1170 | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 80 - 85 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Mold temperature | 60 - 85 | °C | - |
| Zone 1 | 220 | °C | - |
| Zone 2 | 230 - 245 | °C | - |
| Zone 3 | 240 - 260 | °C | - |
| Screw speed | 40 - 60 | rpm | - |
| Injection pressure | 140 - 160 | MPa | - |
| Back pressure | 0.9 - 1.4 | MPa | - |
| Holding pressure | 20 - 80 | MPa | - |

Characteristics

Processing

Injection Molding, Other Extrusion

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat, Transparent

Chemical Resistance

Alkali Resistance, General Chemical Resistance, Oil Resistance

Regional Availability

North America, Europe, Asia Pacific

Features

Light Diffusing