

Panlite® MN-3709

PC

Teijin Chemicals Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|------------------|------------------------|----------------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 6.5 | cm ³ /10min | ISO 1133 |
| Temperature | 250 | °C | - |
| Load | 2.16 | kg | - |
| Molding shrinkage, parallel | 0.6 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.6 | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Yield stress | 66 | MPa | ISO 527 |
| Stress at break | 64 | MPa | ISO 527 |
| Strain at break | 90 | % | ISO 527 |
| Flexural modulus, 23°C | 2420 | MPa | ISO 178 |
| Flexural strength | 95 | MPa | ISO 178 |
| Charpy impact strength, +23°C | N | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 57 | kJ/m ² | ISO 179/1eA |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 96 | °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 thickness h | V-2 | class | IEC 60695-11-10 |
| Thickness tested | 0.3 | mm | - |
| Electrical properties | | | |
| ISO Data | | | |
| Surface resistivity | >1E15 | Ohm | IEC 62631-3-2 |
| Other properties | | | |
| Density | 1190 | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 100 | °C | - |
| Pre-drying - Time | 5 - 8 | h | - |
| Melt temperature | 260 - 320 | °C | - |
| Mold temperature | 60 - 80 | °C | - |

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Flame retardant, Halogen-free

Applications

Electrical and Electronical

Regional Availability

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