# Multilon® RN-7740M

(PC+ABS)-(GX+MX) Teijin Chemicals Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Molding shrinkage, parallel | **0.2** | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | **0.3** | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Tensile Modulus | **11000** | MPa | ISO 527 |
| Stress at break | **90** | MPa | ISO 527 |
| Strain at break | **1** | % | ISO 527 |
| Flexural modulus, 23°C | **11000** | MPa | ISO 178 |
| Flexural strength | **140** | MPa | ISO 178 |
| Charpy impact strength, +23°C | **18** | kJ/m² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | **5** | kJ/m² | ISO 179/1eA |

| Thermal properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Temp. of deflection under load, 1.80 MPa | **108** | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | **120** | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | **122** | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | **20** | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | **32** | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | **V-1** | class | IEC 60695-11-10 |
| Thickness tested | **2.0** | mm | - |

| Electrical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Volume resistivity | **>1E13** | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | **>1E15** | Ohm | IEC 62631-3-2 |

| Other properties | Value | Unit | Test Standard |
|---|---|---|---|
| Density | **1540** | kg/m³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|---|---|---|
| Pre-drying - Temperature | **100** | °C | - |
| Pre-drying - Time | **5 - 8** | h | - |
| Melt temperature | **240 - 280** | °C | - |
| Mold temperature | **50 - 80** | °C | - |

## Characteristics

**Processing**
Injection Molding

**Delivery form**
Pellets, Black

**Special Characteristics**
Flame retardant, Halogen-free

**Applications**
IT / Business Machine

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


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