

DAIAMID® L2140

PA12

Daicel-Evonik Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|-------|------------------------|----------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 3 | cm ³ /10min | ISO 1133 |
| Temperature | 230 | °C | - |
| Load | 2.16 | kg | - |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 1300 | MPa | ISO 527 |
| Yield stress | 39 | MPa | ISO 527 |
| Yield strain | 10 | % | ISO 527 |
| Stress at break | 55 | MPa | ISO 527 |
| Strain at break | >50 | % | ISO 527 |
| Charpy impact strength, +23°C | N | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | N | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 16 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 9 | kJ/m ² | ISO 179/1eA |
| Rockwell hardness | R106 | - | ISO 2039-2 |
| Thermal properties | | | |
| ISO Data | | | |
| Melting temperature, 10°C/min | 178 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 50 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 110 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 140 | E-6/K | ISO 11359-1/-2 |
| Electrical properties | | | |
| ISO Data | | | |
| Volume resistivity | >1E13 | Ohm*m | IEC 62631-3-1 |
| Electric strength | 26 | kV/mm | IEC 60243-1 |
| Other properties | | | |
| Water absorption | 1.6 | % | Sim. to ISO 62 |
| Humidity absorption | 0.7 | % | Sim. to ISO 62 |
| Density | 1010 | kg/m ³ | ISO 1183 |

Characteristics**Special Characteristics**

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, South and Central America

Applications

Automotive