

Promyde® B36 L

PA6

Nurel S.A.

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|---|-------------------|------------------------|----------------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 25 / * | cm ³ /10min | ISO 1133 |
| Temperature | 275 / * | °C | - |
| Load | 5 / * | kg | - |
| Molding shrinkage, parallel | 1.1 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.0 / * | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 3300 / 1100 | MPa | ISO 527 |
| Tensile Strength | 85 / 40 | MPa | ISO 527 |
| Yield strain | 4 / 25 | % | ISO 527 |
| Strain at break | >50 / >50 | % | ISO 527 |
| Flexural modulus, 23°C | 2800 / 1000 | MPa | ISO 178 |
| Charpy impact strength, +23°C | N / N | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 6.2 / 35 | kJ/m ² | ISO 179/1eA |
| Thermal properties | | | |
| ISO Data | | | |
| Melting temperature, 10°C/min | 222 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 65 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 197 / * | °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 | 100 / * | E-6/K | ISO 11359-1/-2 |
| ASTM Data | | | |
| UL 94 Flame rating | V-2 | - | UL 94 |
| Thickness tested | 1.5 | mm | - |
| Electrical properties | | | |
| ISO Data | | | |
| Relative permittivity, 1MHz | 3.5 / 7 | - | IEC 62631-2-1 |
| Dissipation factor, 1MHz | 230 / 3000 | E-4 | IEC 62631-2-1 |
| Volume resistivity | 1E13 / 1E10 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | * / 1E10 | Ohm | IEC 62631-3-2 |
| Comparative tracking index | 600 / 600 | - | IEC 60112 |
| Other properties | | | |
| Water absorption | 9.5 / * | % | Sim. to ISO 62 |
| Humidity absorption | 3 / * | % | Sim. to ISO 62 |
| Density | 1130 / - | kg/m ³ | ISO 1183 |
| Material specific properties | | | |
| ISO Data | | | |
| Viscosity number | 228 / * | cm ³ /g | ISO 307, 1157, 1628 |

Characteristics**Processing**

Injection Molding, Other Extrusion

Additives

Lubricants, Release agent

Applications

Automotive, Electrical and Electronical

Regional Availability

Europe