

LATAMID 6 H2PX-V0

PA6

LATI Industria Termoplastici S.p.A.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 1.3 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.4 | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 2700 | MPa | ISO 527 |
| Yield stress | 40 | MPa | ISO 527 |
| Yield strain | 4 | % | ISO 527 |
| Stress at break | 35 | MPa | ISO 527 |
| Strain at break | 10 | % | ISO 527 |
| Charpy impact strength, +23°C | 85 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 6 | kJ/m ² | ISO 179/1eA |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 60 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 140 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 160 | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | 105 | E-6/K | ISO 11359-1/-2 |
| Glow Wire Flammability Index (GWFI) | 960 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (1) | 1 | mm | - |
| Glow Wire Flammability Index (GWFI) | 960 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (2) | 2 | mm | - |
| Glow Wire Ignition Temperature (GWIT) | 800 | °C | IEC 60695-2-13 |
| GWIT - thickness tested (1) | 1 | mm | - |
| Glow Wire Ignition Temperature (GWIT) | 800 | °C | IEC 60695-2-13 |
| GWIT - thickness tested (2) | 2 | mm | - |
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 0.75 | mm | - |
| Limiting Oxygen Index | 28 | % | ASTM D 2863 |
| Electrical properties | | | |
| ISO Data | | | |
| Comparative tracking index | 325 | - | IEC 60112 |
| ASTM Data | | | |
| Surface Resistivity | 1E12 | Ohm | ASTM D 257 |
| Other properties | | | |
| Density | 1320 | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 90 - 100 | °C | - |
| Pre-drying - Time | 3 | h | - |
| Melt temperature | 230 - 250 | °C | - |
| Mold temperature | 60 - 70 | °C | - |

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Additives

Flame retarding agent

Regional Availability

Europe