

LATAMID 6 H2 G/15

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6*
General Information
Product Description

Compound based on Polyamide 6 (PA 6). Improved thermal stabilisation. Glass fibres. PFAS-free product.

General

| | |
|------------------------|---|
| Material Status | • Commercial: Active |
| Availability | • Africa & Middle East • Europe • North America • Asia Pacific • Latin America |
| Filler / Reinforcement | • Glass Fiber |
| Features | • Good Thermal Stability • PFAS Free |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-------------------------------|--------------|
| Density (73°F) | 1.24 | g/cm ³ | ISO 1183 |
| Molding Shrinkage ² | | | ISO 294-4 |
| Across Flow : 0.0787 in | 0.60 to 0.80 | % | |
| Flow : 0.0787 in | 0.35 to 0.55 | % | |
| Water Absorption ³ (Saturation, 73°F) | 2.4 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (73°F) | 870000 | psi | ISO 527-1/1 |
| Tensile Stress (Break, 73°F) | 16700 | psi | ISO 527-2/5 |
| Tensile Strain (Break, 73°F) | 2.6 | % | ISO 527-2/5 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (73°F) | 2.4 | ft·lb/in ² | ISO 179/1eA |
| Charpy Unnotched Impact Strength (73°F) | 19 | ft·lb/in ² | ISO 179/1eU |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 428 | °F | ISO 75-2/B |
| Deflection Temperature Under Load (264 psi, Unannealed) | 401 | °F | ISO 75-2/A |
| Vicat Softening Temperature | 410 | °F | ISO 306/B120 |
| CLTE - Flow (86 to 212°F) | 1.7E-5 | in/in/°F | ISO 11359-2 |
| CLTE - Transverse (86 to 212°F) | 3.9E-5 | in/in/°F | ISO 11359-2 |
| Thermal Conductivity | | | ASTM E1461 |
| -- ⁴ | 2.1 | Btu·in/hr/ft ² /°F | |
| -- ⁵ | 2.1 | Btu·in/hr/ft ² /°F | |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 1.0E+12 | ohms | ASTM D257 |
| Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time)) | 480 | V/mil | ASTM D149 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | | | UL 94 |
| 0.030 in | HB | | |
| 0.06 in | HB | | |
| 0.12 in | HB | | |

Notes
¹ Typical properties: these are not to be construed as specifications.

² 60 MPa

³ in air

⁴ through plane

⁵ in plane
