# LATAMID 66 H2 G/25

## LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 66*

### General Information

**Product Description**

Compound based on Polyamide 66 (PA 66). Improved thermal stabilisation. Glass fibres. PFAS-free product.

**General**

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

### Properties [1]

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density (73°F) | 1.28 | g/cm³ | ISO 1183 |
| Molding Shrinkage [2] | | | ISO 294-4 |
| Across Flow : 0.0787 in | 0.75 to 1.1 | % | |
| Flow : 0.0787 in | 0.40 to 0.65 | % | |
| Water Absorption [3] (Saturation, 73°F) | 2.0 | % | ISO 62 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus (73°F) | 1.23E+6 | psi | ISO 527-1/1 |
| Tensile Stress (Break, 73°F) | 21800 | psi | ISO 527-2/5 |
| Tensile Strain (Break, 73°F) | 2.8 | % | ISO 527-2/5 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength (73°F) | 3.8 | ft·lb/in² | ISO 179/1eA |
| Charpy Unnotched Impact Strength (73°F) | 24 | ft·lb/in² | ISO 179/1eU |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Deflection Temperature Under Load (66 psi, Unannealed) | 500 | °F | ISO 75-2/B |
| Deflection Temperature Under Load (264 psi, Unannealed) | 482 | °F | ISO 75-2/A |
| Vicat Softening Temperature | 482 | °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) | 3.3E-5 | in/in/°F | ISO 11359-2 |
| **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)) | 530 | 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 | | |
| Oxygen Index | 27 | % | ASTM D2863 |

### Notes

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

[2] 60 MPa

[3] in air