# LATIOHM 62-06 PD01 G/15

## LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6*

### General Information

| | | | |
|---|---|---|---|
| **Product Description** | | | |
| Semiconductive/dissipative product based on Polyamide 6 (PA 6). 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 | • Antistatic | • Electrically Conductive | • PFAS Free |

### Properties [1]

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density (73°F) | 1.41 | g/cm³ | ISO 1183 |
| Molding Shrinkage [2] | | | ISO 294-4 |
| Across Flow : 0.0787 in | 0.55 to 0.75 | % | |
| Flow : 0.0787 in | 0.30 to 0.50 | % | |
| Water Absorption [3] (Saturation, 73°F) | 2.4 | % | ISO 62 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus (73°F) | 1.77E+6 | psi | ISO 527-1/1 |
| Tensile Stress (Break, 73°F) | 23900 | psi | ISO 527-2/5 |
| Tensile Strain (Break, 73°F) | 2.5 | % | ISO 527-2/5 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength | | | ISO 179/1eA |
| -4°F | 2.9 | ft·lb/in² | |
| 73°F | 3.8 | ft·lb/in² | |
| Charpy Unnotched Impact Strength | | | ISO 179/1eU |
| -4°F | 19 | ft·lb/in² | |
| 73°F | 21 | ft·lb/in² | |
| **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) | 410 | °F | ISO 75-2/A |
| Vicat Softening Temperature | 410 | °F | ISO 306/B120 |
| CLTE - Flow (86 to 212°F) | 1.4E-5 | in/in/°F | ISO 11359-2 |
| CLTE - Transverse (86 to 212°F) | 3.9E-5 | in/in/°F | ISO 11359-2 |
| **Electrical** | **Nominal Value** | **Unit** | **Test Method** |
| Surface Resistivity | 1.0E+3 | ohms | ASTM D257 |
| Electromagnetic Reflection - Bekiscan - CP | 85 | % | |

### Notes

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

[2] 60 MPa

[3] in air