# LATIOHM 62-03 PD01 G/20

## LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6*

### General Information

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|---|---|---|---|
| **Product Description** | | | |
| Semiconductive/dissipative product based on Polyamide 6 (PA 6). Glass fibres. High stiffness. 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) | 1.33 | g/cm³ | ISO 1183 |
| Molding Shrinkage [2] | | | ISO 294-4 |
| Across Flow : 0.0787 in | 0.60 to 0.90 | % | |
| Flow : 0.0787 in | 0.25 to 0.55 | % | |
| Water Absorption [3] (Saturation, 73°F) | 2.0 | % | ISO 62 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus | | | ISO 527-1/1 |
| 73°F | 1.89E+6 | psi | |
| 140°F | 1.52E+6 | psi | |
| 194°F | 1.06E+6 | psi | |
| 248°F | 870000 | psi | |
| 302°F | 841000 | psi | |
| Tensile Stress | | | ISO 527-2/5 |
| Break, 73°F | 26800 | psi | |
| Break, 140°F | 19600 | psi | |
| Break, 194°F | 14500 | psi | |
| Break, 248°F | 11600 | psi | |
| Break, 302°F | 9430 | psi | |
| Tensile Strain | | | ISO 527-2/5 |
| Break, 73°F | 2.4 | % | |
| Break, 140°F | 3.7 | % | |
| Break, 194°F | 4.3 | % | |
| Break, 248°F | 4.4 | % | |
| Break, 302°F | 4.8 | % | |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength (73°F) | 4.8 | ft·lb/in² | ISO 179/1eA |
| Charpy Unnotched Impact Strength (73°F) | 31 | ft·lb/in² | 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 | 419 | °F | ISO 306/B120 |
| CLTE - Flow (86 to 212°F) | 1.1E-5 | in/in/°F | ISO 11359-2 |
| CLTE - Transverse (86 to 212°F) | 3.1E-5 | in/in/°F | ISO 11359-2 |
| **Electrical** | **Nominal Value** | **Unit** | **Test Method** |
| Surface Resistivity | 8.0E+2 | ohms | ASTM D257 |
| Volume Resistivity | 1.0E+3 | ohms·cm | ASTM D257 |

| Notes |
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| [1] Typical properties: these are not to be construed as specifications. |
| [2] 60 MPa |
| [3] in air |