

**LATIOHM 92-05 PD01 G/10**

 LATI INDUSTRIA TERMOPLASTICI SPA - *Thermoplastic Polyurethane Elastomer*
**General Information**
**Product Description**

Semiconductive/dissipative product based on Thermoplastic Polyurethane (TPU). Glass fibres. PFAS-free product.

**General**

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

**Properties <sup>1</sup>**

| Physical  | Nominal Value | Unit                  | Test Method  |
|---|---------------|-----------------------|--------------|
| Density (73°F)  | 1.34          | g/cm <sup>3</sup>     | ISO 1183     |
| Molding Shrinkage <sup>2</sup>                          |               |                       | ISO 294-4    |
| Across Flow : 0.0787 in                                 | 0.50 to 0.80  | %                     |              |
| Flow : 0.0787 in  | 0.40 to 0.70  | %                     |              |
| Water Absorption <sup>3</sup> (Saturation, 73°F)        | 0.20          | %                     | ISO 62       |
| Mechanical  | Nominal Value | Unit                  | Test Method  |
| Tensile Modulus (73°F)                                  | 72500         | psi                   | ISO 527-1/1  |
| Tensile Stress (Yield, 73°F)                            | 5800          | psi                   | ISO 527-2/5  |
| Tensile Stress (Break, 73°F)                            | 5800          | psi                   | ISO 527-2/5  |
| Tensile Strain (Yield, 73°F)                            | > 10          | %                     | ISO 527-2/5  |
| Tensile Strain (Break, 73°F)                            | 35            | %                     | ISO 527-2/5  |
| Impact  | Nominal Value | Unit                  | Test Method  |
| Charpy Notched Impact Strength (73°F)                   | 31            | ft-lb/in <sup>2</sup> | ISO 179/1eA  |
| Charpy Unnotched Impact Strength (73°F)                 | No Break      |                       | ISO 179/1eU  |
| Thermal   | Nominal Value | Unit                  | Test Method  |
| Deflection Temperature Under Load (66 psi, Unannealed)  | 140           | °F                    | ISO 75-2/B   |
| Deflection Temperature Under Load (264 psi, Unannealed) | 122           | °F                    | ISO 75-2/A   |
| Vicat Softening Temperature                             | 131           | °F                    | ISO 306/B120 |
| CLTE - Flow (86 to 212°F)                               | 5.6E-5        | in/in/°F              | ISO 11359-2  |
| CLTE - Transverse (86 to 212°F)                         | 7.2E-5        | in/in/°F              | ISO 11359-2  |
| Electrical  | Nominal Value | Unit                  | Test Method  |
| Surface Resistivity                                     | 1.0E+3        | ohms                  | ASTM D257    |

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 60 MPa

<sup>3</sup> in air
