

LATIOHM 57-07 PD01 G/50

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyphthalamide*
General Information
Product Description

Semiconductive/dissipative product based on Semi-aromatic polyamide (PPA). Glass fibres. High stiffness. PFAS-free product.

General

| | |
|------------------------|---|
| Material Status | • Commercial: Active |
| Availability | • Africa & Middle East • Europe • North America • Asia Pacific • Latin America |
| Filler / Reinforcement | • Glass Fiber |
| Features | • Antistatic • High Heat Resistance • Electrically Conductive • PFAS Free |
| Uses | • High Temperature Applications |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-----------------------|--------------|
| Density (73°F) | 1.68 | g/cm ³ | ISO 1183 |
| Molding Shrinkage ² | | | ISO 294-4 |
| Across Flow : 0.0787 in | 0.50 to 0.75 | % | |
| Flow : 0.0787 in | 0.10 to 0.35 | % | |
| Water Absorption ³ (Saturation, 73°F) | 0.70 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (73°F) | 3.63E+6 | psi | ISO 527-1/1 |
| Tensile Stress (Break, 73°F) | 40600 | psi | ISO 527-2/5 |
| Tensile Strain (Break, 73°F) | 1.7 | % | ISO 527-2/5 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (73°F) | 4.8 | ft·lb/in ² | ISO 179/1eA |
| Charpy Unnotched Impact Strength (73°F) | 12 | ft·lb/in ² | ISO 179/1eU |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 563 | °F | ISO 75-2/B |
| Deflection Temperature Under Load (264 psi, Unannealed) | 554 | °F | ISO 75-2/A |
| Vicat Softening Temperature | 536 | °F | ISO 306/B120 |
| CLTE - Flow (86 to 212°F) | 8.3E-6 | in/in/°F | ISO 11359-2 |
| CLTE - Transverse (86 to 212°F) | 1.7E-5 | in/in/°F | ISO 11359-2 |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 3.0E+4 | ohms | ASTM D257 |

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

² 60 MPa

³ in air
