

LATIMASS 53/11-02 D030

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polypropylene Homopolymer*
General Information
Product Description

Specified density compound based on Polypropylene homopolymer (PPh). PFAS-free product.

General

| | | | |
|-----------------|---------------------------|-----------------|-----------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East | • Europe | • North America |
| | • Asia Pacific | • Latin America | |
| Features | • Homopolymer • PFAS Free | | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-----------------------|--------------|
| Density (73°F) | 2.74 | g/cm ³ | ISO 1183 |
| Molding Shrinkage ² | | | ISO 294-4 |
| Across Flow : 0.0787 in | 1.4 to 1.7 | % | |
| Flow : 0.0787 in | 1.4 to 1.7 | % | |
| Water Absorption ³ (Saturation, 73°F) | 0.080 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (73°F) | 189000 | psi | ISO 527-1/1 |
| Tensile Stress (Break, 73°F) | 1160 | psi | ISO 527-2/5 |
| Tensile Strain (Break, 73°F) | 1.5 | % | ISO 527-2/5 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (73°F) | 3.8 | ft·lb/in ² | ISO 179/1eA |
| Charpy Unnotched Impact Strength (73°F) | 26 | ft·lb/in ² | ISO 179/1eU |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 212 | °F | ISO 75-2/B |
| Deflection Temperature Under Load (264 psi, Unannealed) | 149 | °F | ISO 75-2/A |
| Vicat Softening Temperature | 185 | °F | ISO 306/B120 |
| CLTE - Flow (86 to 212°F) | 7.2E-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+12 | ohms | ASTM D257 |

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

² 60 MPa

³ in air
