

LATILUB 52/30-15T G/30

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

Self-lubricating product based on Polypropylene homopolymer (PPh). PTFE. Glass fibres.

General

| | |
|------------------------|---|
| Material Status | • Commercial: Active |
| Availability | • Africa & Middle East • Europe • North America • Asia Pacific • Latin America |
| Filler / Reinforcement | • Glass Fiber |
| Additive | • PTFE Lubricant |
| Features | • Homopolymer • Lubricated • Self Lubricating |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|---|-----------------|
| Density (73°F) | 1.26 | g/cm ³ | ISO 1183 |
| Molding Shrinkage ² | | | ISO 294-4 |
| Across Flow : 0.0787 in | 0.55 to 0.80 | % | |
| Flow : 0.0787 in | 0.20 to 0.40 | % | |
| Water Absorption ³ (Saturation, 73°F) | 0.050 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (73°F) | 1.02E+6 | psi | ISO 527-1/1 |
| Tensile Stress (Break, 73°F) | 10900 | psi | ISO 527-2/5 |
| Tensile Strain (Break, 73°F) | 2.5 | % | ISO 527-2/5 |
| Coefficient of Friction ⁴ | | | Internal Method |
| Dynamic | 0.35 | | |
| Static | 0.30 | | |
| Wear Factor ⁵ | 520 | 10 ⁻¹⁰ in ³ ·min/ft·lb·hr | Internal Method |
| 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) | 19 | ft·lb/in ² | ISO 179/1eU |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 311 | °F | ISO 75-2/B |
| Deflection Temperature Under Load (264 psi, Unannealed) | 293 | °F | ISO 75-2/A |
| Vicat Softening Temperature | 266 | °F | ISO 306/B120 |
| CLTE - Flow (86 to 212°F) | 1.7E-5 | in/in/°F | ISO 11359-2 |
| CLTE - Transverse (86 to 212°F) | 4.4E-5 | in/in/°F | ISO 11359-2 |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 1.0E+12 | ohms | ASTM D257 |
| Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time)) | 810 | V/mil | ASTM D149 |

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

² 60 MPa

³ in air

⁴ ISO 7148-2 (speed 0.126 m/s, load 10N)

⁵ ISO 7148-2 (speed 0.126 m/s, load 10N, path length 13.6km)
