

LATI Latilub 57-10T Y/15 PPA, Aramid Reinforced

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), Aramid Fiber Filled

Material Notes:

Self-lubricating product based on Semi-aromatic polyamide (PPA). PTFE. Aramid fibers. Availability: Africa & Middle East; Asia Pacific; Europe; Latin America; North America
Information provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Latilub-57-10T-Y15-PPA-Aramid-Reinforced.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|---------------------|---------------------------|----------|
| Density | 1.28 g/cc | 0.0462 lb/in ³ | |
| Linear Mold Shrinkage, Flow | 0.011 - 0.014 cm/cm | 0.011 - 0.014 in/in | |
| Linear Mold Shrinkage, Transverse | 0.012 - 0.015 cm/cm | 0.012 - 0.015 in/in | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------------|----------------------------------------------|--------------------------------------------------------|----------|
| Tensile Strength at Break | 60.0 MPa | 8700 psi | |
| Elongation at Break | 2.0 % | 2.0 % | |
| Tensile Modulus | 3.50 GPa | 508 ksi | |
| Charpy Impact Unnotched | 1.00 J/cm ² | 4.76 ft-lb/in ² | |
| Charpy Impact, Notched | 0.100 J/cm ² | 0.476 ft-lb/in ² | |
| Coefficient of Friction, Dynamic | 0.24 | 0.24 | |
| Coefficient of Friction, Static | 0.27 | 0.27 | |
| K (wear) Factor | 5.50 x 10 ⁻⁸ mm ³ /N-M | 2.73 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr | |

| Thermal Properties | Metric | English | Comments |
|---------------------------------------------|-------------------------|-------------------------|----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 240 °C | 464 °F | |
| Deflection Temperature at 1.8 MPa (264 psi) | 135 °C | 275 °F | |
| Vicat Softening Point | 215 °C @Load 5.00 kg | 419 °F @Load 11.0 lb | |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature | 310 - 330 °C | 590 - 626 °F | |

| Mold Temperature Processing Properties | 130 - 160 Å°C Metric | 266 - 320 Å°F English | Comments |
|-------------------------------------------|----------------------------------|----------------------------------|----------|
| Drying Temperature | 120 - 130 Å°C @Time 10800 sec | 248 - 266 Å°F @Time 3.00 hour | |

| Descriptive Properties | Value | Comments |
|--------------------------|--------|----------|
| ISO Shrinkage - Pressure | 60 MPa | |

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