

LATI Latan 23UV POM

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

Polyoxymethylene (POM). UV stabilized. Low viscosity. Very good tribological properties. 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-Latan-23UV-POM.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|----------------------|---------------------------|----------|
| Density | 1.42 g/cc | 0.0513 lb/in ³ | |
| Linear Mold Shrinkage, Flow | 0.0195 - 0.023 cm/cm | 0.0195 - 0.023 in/in | |
| Linear Mold Shrinkage, Transverse | 0.020 - 0.0225 cm/cm | 0.020 - 0.0225 in/in | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-------------------------|----------------------|----------|
| Tensile Strength at Break | 50.0 MPa | 7250 psi | |
| Elongation at Break | 40 % | 40 % | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| | >= 100 % | >= 100 % | |
| Elongation at Yield | @Temperature 60.0 °C | @Temperature 140 °F | |
| | >= 100 % | >= 100 % | |
| | @Temperature 90.0 °C | @Temperature 194 °F | |
| Tensile Modulus | 1.10 GPa | 160 ksi | |
| | @Temperature 90.0 °C | @Temperature 194 °F | |
| | 1.60 GPa | 232 ksi | |
| | @Temperature 60.0 °C | @Temperature 140 °F | |
| | 2.70 GPa | 392 ksi | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| | Charpy Impact Unnotched | NB | NB |

| Charpy Impact, Notched Mechanical Properties | 0.600 J/cm ² Metric | 2.86 ft-lb/in ² English | Comments |
|---|-----------------------------------|---------------------------------------|----------|
|---|-----------------------------------|---------------------------------------|----------|

| Thermal Properties | Metric | English | Comments |
|--|--------------------------|--------------------------|----------|
| Maximum Service Temperature, Air | 75.0 Â°C | 167 Â°F | |
| Deflection Temperature at 0.46 MPa (66 psi) | 150 Â°C | 302 Â°F | |
| Deflection Temperature at 1.8 MPa (264 psi) | 90.0 Â°C | 194 Â°F | |
| Vicat Softening Point | 150 Â°C @Load 5.00 kg | 302 Â°F @Load 11.0 lb | |

| Processing Properties | Metric | English | Comments |
|-----------------------|------------------------------------|----------------------------------|----------|
| Melt Temperature | 175 - 200 Â°C | 347 - 392 Â°F | |
| Mold Temperature | 70.0 - 90.0 Â°C | 158 - 194 Â°F | |
| Drying Temperature | 80.0 - 90.0 Â°C @Time 10800 sec | 176 - 194 Â°F @Time 3.00 hour | |

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

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