

LATI Lastilac 11 G/10 ABS/PC, 10% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Glass Fiber Filled

Material Notes:

ABS/PC Blend (ABS/PC) based compound. Glass fibers. Good surface appearance. Good impact resistance. Good thermal 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-Lastilac-11-G10-ABSPC-10-Glass-Fiber-Reinforced.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|-----------------------|---------------------------|----------|
| Density | 1.19 g/cc | 0.0430 lb/in ³ | |
| Linear Mold Shrinkage, Flow | 0.0045 - 0.0065 cm/cm | 0.0045 - 0.0065 in/in | |
| Linear Mold Shrinkage, Transverse | 0.0050 - 0.0070 cm/cm | 0.0050 - 0.0070 in/in | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|----------------------|----------------------|----------|
| Tensile Strength at Break | 5.00 MPa | 725 psi | |
| | @Temperature 120 °C | @Temperature 248 °F | |
| | 23.0 MPa | 3340 psi | |
| | @Temperature 90.0 °C | @Temperature 194 °F | |
| | 50.0 MPa | 7250 psi | |
| | @Temperature 60.0 °C | @Temperature 140 °F | |
| Elongation at Break | 60.0 MPa | 8700 psi | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| | 2.5 % | 2.5 % | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| | 3.0 % | 3.0 % | |
| | @Temperature 60.0 °C | @Temperature 140 °F | |
| | 6.0 % | 6.0 % | |
| | @Temperature 90.0 °C | @Temperature 194 °F | |
| | 70 % | 70 % | |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|--------------------------|----------------------------|----------|
| Elongation at Yield | 2.0 % | 2.0 % | |
| | @Temperature 60.0 °C | @Temperature 140 °F | |
| | 2.0 % | 2.0 % | |
| | @Temperature 90.0 °C | @Temperature 194 °F | |
| | 2.0 % | 2.0 % | |
| | @Temperature 120 °C | @Temperature 248 °F | |
| Tensile Modulus | 1.30 GPa | 189 ksi | |
| | @Temperature 120 °C | @Temperature 248 °F | |
| | 3.30 GPa | 479 ksi | |
| | @Temperature 90.0 °C | @Temperature 194 °F | |
| | 3.60 GPa | 522 ksi | |
| | @Temperature 60.0 °C | @Temperature 140 °F | |
| | 3.90 GPa | 566 ksi | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Charpy Impact Unnotched | 2.50 J/cm ² | 11.9 ft-lb/in ² | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| | 3.50 J/cm ² | 16.7 ft-lb/in ² | |
| | @Temperature -20.0 °C | @Temperature -4.00 °F | |
| Charpy Impact, Notched | 1.20 J/cm ² | 5.71 ft-lb/in ² | |
| | @Temperature -20.0 °C | @Temperature -4.00 °F | |
| | 1.50 J/cm ² | 7.14 ft-lb/in ² | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |

| Thermal Properties | Metric | English | Comments |
|--|--------|---------|----------|
| Maximum Service Temperature, Air | 115 °C | 239 °F | |
| Deflection Temperature at 0.46 MPa (66 psi) | 130 °C | 266 °F | |

| Thermal Properties | Metric | English | Comments |
|--|--------------------------|---------------------------|----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 115 Â°C | 239 Â°F | |
| Vicat Softening Point | 130 Â°C @Load 5.00 kg | 266 Â°F @Load 11.0 lb | |
| Flammability, UL94 | HB @Thickness 3.00 mm | HB @Thickness 0.118 in | |

| Electrical Properties | Metric | English | Comments |
|----------------------------|--------|---------|------------|
| Comparative Tracking Index | 350 V | 350 V | A solution |

| Processing Properties | Metric | English | Comments |
|-----------------------|-----------------------------------|----------------------------------|----------|
| Melt Temperature | 240 - 260 Â°C | 464 - 500 Â°F | |
| Mold Temperature | 50.0 - 70.0 Â°C | 122 - 158 Â°F | |
| Drying Temperature | 80.0 - 100 Â°C @Time 10800 sec | 176 - 212 Â°F @Time 3.00 hour | |

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

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