

LATI Latamid 66 B G/20-V PA 66, 20% Glass Fiber Reinforced, Heat Stabilized, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled , Nylon 66, Glass Fiber Filled, Flame Retardant

Material Notes:

Polyamide 66 (PA66) based compound. High fluidity. Glass fibers. Flame retardant, non classifiable, with brominated flame retardants, PBB/PBDE free. 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-Latamid-66-B-G20-V-PA-66-20-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|-----------------------|---------------------------|----------|
| Density | 1.52 g/cc | 0.0549 lb/in ³ | |
| Linear Mold Shrinkage, Flow | 0.0025 - 0.0045 cm/cm | 0.0025 - 0.0045 in/in | |
| Linear Mold Shrinkage, Transverse | 0.0070 - 0.010 cm/cm | 0.0070 - 0.010 in/in | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-----------------------|-----------------------|----------|
| Tensile Strength at Break | 40.0 MPa | 5800 psi | |
| | @Temperature 150 Â°C | @Temperature 302 Â°F | |
| | 50.0 MPa | 7250 psi | |
| | @Temperature 120 Â°C | @Temperature 248 Â°F | |
| | 60.0 MPa | 8700 psi | |
| @Temperature 90.0 Â°C | @Temperature 194 Â°F | | |
| Elongation at Break | 75.0 MPa | 10900 psi | |
| | @Temperature 60.0 Â°C | @Temperature 140 Â°F | |
| | 115 MPa | 16700 psi | |
| @Temperature 23.0 Â°C | @Temperature 73.4 Â°F | | |
| Elongation at Break | 2.5 % | 2.5 % | |
| | @Temperature 23.0 Â°C | @Temperature 73.4 Â°F | |
| Elongation at Break | 4.0 % | 4.0 % | |
| | @Temperature 60.0 Â°C | @Temperature 140 Â°F | |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------------------------|---------------------------|----------|
| | @Temperature 90.0 Â°C | @Temperature 194 Â°F | |
| | 5.3 % | 5.3 % | |
| | @Temperature 120 Â°C | @Temperature 248 Â°F | |
| | 6.0 % | 6.0 % | |
| | @Temperature 150 Â°C | @Temperature 302 Â°F | |
| Elongation at Yield | 3.0 % | 3.0 % | |
| | @Temperature 60.0 Â°C | @Temperature 140 Â°F | |
| | 4.5 % | 4.5 % | |
| | @Temperature 90.0 Â°C | @Temperature 194 Â°F | |
| | 4.8 % | 4.8 % | |
| | @Temperature 120 Â°C | @Temperature 248 Â°F | |
| | 5.5 % | 5.5 % | |
| | @Temperature 150 Â°C | @Temperature 302 Â°F | |
| Tensile Modulus | 2.40 GPa | 348 ksi | |
| | @Temperature 150 Â°C | @Temperature 302 Â°F | |
| | 3.20 GPa | 464 ksi | |
| | @Temperature 120 Â°C | @Temperature 248 Â°F | |
| | 4.00 GPa | 580 ksi | |
| | @Temperature 90.0 Â°C | @Temperature 194 Â°F | |
| | 5.80 GPa | 841 ksi | |
| | @Temperature 60.0 Â°C | @Temperature 140 Â°F | |
| | 8.10 GPa | 1170 ksi | |
| | @Temperature 23.0 Â°C | @Temperature 73.4 Â°F | |
| Charpy Impact Unnotched | 2.50 J/cmÂ² | 11.9 ft-lb/inÂ² | |
| | @Temperature -20.0 Â°C | @Temperature -4.00 Â°F | |
| | 3.00 J/cmÂ² | 14.3 ft-lb/inÂ² | |
| | @Temperature 23.0 | @Temperature 73.4 Â°F | |

| Mechanical Properties | Metric | English | Comments |
|------------------------|---------------------------|----------------------------|----------|
| | 0.286 J/cm ² | 1.33 ft-lb/in ² | |
| Charpy Impact, Notched | @Temperature -20.0 Â°C | @Temperature -4.00 Â°F | |
| | 0.350 J/cm ² | 1.67 ft-lb/in ² | |
| | @Temperature 23.0 Â°C | @Temperature 73.4 Â°F | |

| Thermal Properties | Metric | English | Comments |
|---|---------------------|----------------------|----------|
| Maximum Service Temperature, Air | 90.0 Â°C | 194 Â°F | |
| Deflection Temperature at 0.46 MPa (66 psi) | 235 Â°C | 455 Â°F | |
| Deflection Temperature at 1.8 MPa (264 psi) | 210 Â°C | 410 Â°F | |
| Vicat Softening Point | 220 Â°C | 428 Â°F | |
| | @Load 5.00 kg | @Load 11.0 lb | |
| Flammability, UL94 | V-0 | V-0 | |
| | @Thickness 3.00 mm | @Thickness 0.118 in | |
| | V-0 | V-0 | |
| | @Thickness 1.50 mm | @Thickness 0.0591 in | |
| | V-0 | V-0 | |
| | @Thickness 0.750 mm | @Thickness 0.0295 in | |
| Oxygen Index | 33 % | 33 % | |
| Glow Wire Test | 960 Â°C | 1760 Â°F | GWFI/GWT |
| | @Thickness 1.00 mm | @Thickness 0.0394 in | |
| | 960 Â°C | 1760 Â°F | GWFI/GWT |
| | @Thickness 2.00 mm | @Thickness 0.0787 in | |

| Electrical Properties | Metric | English | Comments |
|----------------------------|--------|---------|------------|
| Comparative Tracking Index | 250 V | 250 V | A solution |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------|---------------|----------|
| Melt Temperature | 270 - 280 Â°C | 518 - 536 Â°F | |
| Mold Temperature | 70.0 - 100 Â°C | 158 - 212 Â°F | |
| | 90.0 - 100 Â°C | 194 - 212 Â°F | |

| Driving Temperature Processing Properties | Metric @ Time 10800 sec | English @ Time 3.00 hour | Comments |
|--|----------------------------|-----------------------------|----------|
|--|----------------------------|-----------------------------|----------|

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

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