

## LATI Latimass 82-03 D110 PA12

Category : Polymer , Thermoplastic , Nylon , Nylon 12

### Material Notes:

Specific density compound based on Polyamide 12 (PA12). Special filler. 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-Latimass-82-03-D110-PA12.php](http://www.lookpolymers.com/polymer_LATI-Latimass-82-03-D110-PA12.php)

| Physical Properties               | Metric                | English                  | Comments |
|-----------------------------------|-----------------------|--------------------------|----------|
| Density                           | 11.0 g/cc             | 0.397 lb/in <sup>3</sup> |          |
| Linear Mold Shrinkage, Flow       | 0.0055 - 0.0085 cm/cm | 0.0055 - 0.0085 in/in    |          |
| Linear Mold Shrinkage, Transverse | 0.0055 - 0.0085 cm/cm | 0.0055 - 0.0085 in/in    |          |

| Mechanical Properties     | Metric                  | English                    | Comments |
|---------------------------|-------------------------|----------------------------|----------|
| Tensile Strength at Break | 40.0 MPa                | 5800 psi                   |          |
| Elongation at Break       | 0.70 %                  | 0.70 %                     |          |
| Tensile Modulus           | 8.70 GPa                | 1260 ksi                   |          |
| Charpy Impact Unnotched   | 1.00 J/cm <sup>2</sup>  | 4.76 ft-lb/in <sup>2</sup> |          |
| Charpy Impact, Notched    | 0.700 J/cm <sup>2</sup> | 3.33 ft-lb/in <sup>2</sup> |          |

| Thermal Properties                          | Metric                  | English                 | Comments |
|---|-------------------------|-------------------------|----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 160 °C                  | 320 °F                  |          |
| Deflection Temperature at 1.8 MPa (264 psi) | 105 °C                  | 221 °F                  |          |
| Vicat Softening Point                       | 165 °C<br>@Load 5.00 kg | 329 °F<br>@Load 11.0 lb |          |

| Processing Properties | Metric                           | English                         | Comments |
|-----------------------|----------------------------------|---------------------------------|----------|
| Melt Temperature      | 250 - 270 °C                     | 482 - 518 °F                    |          |
| Mold Temperature      | 70.0 - 90.0 °C                   | 158 - 194 °F                    |          |
| Drying Temperature    | 80.0 - 100 °C<br>@Time 10800 sec | 176 - 212 °F<br>@Time 3.00 hour |          |

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

## Contact Songhan Plastic Technology Co.,Ltd.

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