

## LATI Latamid 12 H 90FE03 PA 12, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 12

### Material Notes:

Polyamide 12 (PA12) based compound. Heat stabilized. Magnetizable 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-Latamid-12-H-90FE03-PA-12-Heat-Stabilized.php](http://www.lookpolymers.com/polymer_LATI-Latamid-12-H-90FE03-PA-12-Heat-Stabilized.php)

| Physical Properties               | Metric                | English                  | Comments |
|-----------------------------------|-----------------------|--------------------------|----------|
| Density                           | 4.50 g/cc             | 0.163 lb/in <sup>3</sup> |          |
| Linear Mold Shrinkage, Flow       | 0.0060 - 0.0080 cm/cm | 0.0060 - 0.0080 in/in    |          |
| Linear Mold Shrinkage, Transverse | 0.0060 - 0.0080 cm/cm | 0.0060 - 0.0080 in/in    |          |

| Mechanical Properties     | Metric                             | English                         | Comments |
|---------------------------|------------------------------------|---------------------------------|----------|
| Tensile Strength at Break | 40.0 MPa                           | 5800 psi                        |          |
| Elongation at Break       | 0.60 %<br>@Temperature 23.0<br>Â°C | 0.60 %<br>@Temperature 73.4 Â°F |          |
| Tensile Modulus           | 13.3 GPa                           | 1930 ksi                        |          |
| Charpy Impact Unnotched   | 0.800 J/cm <sup>2</sup>            | 3.81 ft-lb/in <sup>2</sup>      |          |
| Charpy Impact, Notched    | 0.100 J/cm <sup>2</sup>            | 0.476 ft-lb/in <sup>2</sup>     |          |

| Thermal Properties                          | Metric                   | English                  | Comments |
|---|--------------------------|--------------------------|----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 150 Â°C                  | 302 Â°F                  |          |
| Deflection Temperature at 1.8 MPa (264 psi) | 95.0 Â°C                 | 203 Â°F                  |          |
| Vicat Softening Point                       | 160 Â°C<br>@Load 5.00 kg | 320 Â°F<br>@Load 11.0 lb |          |

| Processing Properties | Metric          | English       | Comments |
|-----------------------|-----------------|---------------|----------|
| Melt Temperature      | 250 - 270 Â°C   | 482 - 518 Â°F |          |
| Mold Temperature      | 70.0 - 90.0 Â°C | 158 - 194 Â°F |          |
| Drying Temperature    | 70.0 - 90.0 Â°C | 158 - 194 Â°F |          |

| Processing Properties    | @Time 10800 sec<br>Metric | @Time 3.00 hour<br>English | Comments |
|--------------------------|---------------------------|----------------------------|----------|
| Descriptive Properties   |                           | Value                      | Comments |
| ISO Shrinkage - Pressure |                           | 60 MPa                     |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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