

## LATI Latishield 87/28-10A PC, Steel Fiber Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Stainless Steel Fiber

### Material Notes:

EMI shielding product based on Polycarbonate (PC). Steel fibers. 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-Latishield-8728-10A-PC-Steel-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Latishield-8728-10A-PC-Steel-Fiber-Reinforced.php)

| Physical Properties               | Metric                | English                   | Comments |
|-----------------------------------|-----------------------|---------------------------|----------|
| Density                           | 1.31 g/cc             | 0.0473 lb/in <sup>3</sup> |          |
| Linear Mold Shrinkage, Flow       | 0.0055 - 0.0075 cm/cm | 0.0055 - 0.0075 in/in     |          |
| Linear Mold Shrinkage, Transverse | 0.0060 - 0.0075 cm/cm | 0.0060 - 0.0075 in/in     |          |

| Mechanical Properties     | Metric                  | English                    | Comments |
|---------------------------|-------------------------|----------------------------|----------|
| Tensile Strength at Break | 50.0 MPa                | 7250 psi                   |          |
| Elongation at Break       | 12 %                    | 12 %                       |          |
| Tensile Modulus           | 3.10 GPa                | 450 ksi                    |          |
| Charpy Impact Unnotched   | NB                      | NB                         |          |
| Charpy Impact, Notched    | 0.500 J/cm <sup>2</sup> | 2.38 ft-lb/in <sup>2</sup> |          |

| Thermal Properties                          | Metric                   | English                  | Comments |
|---------------------------------------------|--------------------------|--------------------------|----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 140 Â°C                  | 284 Â°F                  |          |
| Deflection Temperature at 1.8 MPa (264 psi) | 135 Â°C                  | 275 Â°F                  |          |
| Vicat Softening Point                       | 145 Â°C<br>@Load 5.00 kg | 293 Â°F<br>@Load 11.0 lb |          |

| Electrical Properties | Metric  | English | Comments |
|-----------------------|---------|---------|----------|
| Surface Resistance    | 300 ohm | 300 ohm |          |

| Processing Properties | Metric         | English       | Comments |
|-----------------------|----------------|---------------|----------|
| Melt Temperature      | 265 - 300 Â°C  | 509 - 572 Â°F |          |
| Mold Temperature      | 80.0 - 100 Â°C | 176 - 212 Â°F |          |

|                       |              |              |          |
|-----------------------|--------------|--------------|----------|
| Drying Temperature    | 110 - 130 °C | 230 - 266 °F |          |
| Processing Properties | Metric       | English      | Comments |

|                        |       |          |
|------------------------|-------|----------|
| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|

|                            |        |  |
|----------------------------|--------|--|
| Electromagnetic reflection | 95 dB  |  |
| ISO Shrinkage - Pressure   | 60 MPa |  |

**Contact Songhan Plastic Technology Co.,Ltd.**

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