

## SABIC Innovative Plastics LNP Thermocomp RF007ESS PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

LNP\* Thermocomp\* RF007ESS is a compound based on Nylon 66 resin containing Glass Fiber. Added features of this material include: Easy Molding, Heat Stabilized. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-Thermocomp-RF007ESS-PA-66-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-RF007ESS-PA-66-Europe-Africa-Middle-East.php)

| Physical Properties         | Metric                | English                   | Comments                     |
|-----------------------------|-----------------------|---------------------------|------------------------------|
| Density                     | 1.40 g/cc             | 0.0506 lb/in <sup>3</sup> | ISO 1183                     |
| Linear Mold Shrinkage, Flow | 0.0010 - 0.0030 cm/cm | 0.0010 - 0.0030 in/in     | on tensile bar; SABIC Method |

| Mechanical Properties        | Metric                                             | English                                             | Comments            |
|------------------------------|----------------------------------------------------|-----------------------------------------------------|---------------------|
| Tensile Strength at Break    | 178 MPa                                            | 25800 psi                                           | 5 mm/min; ISO 527   |
| Elongation at Break          | 2.4 %                                              | 2.4 %                                               | 5 mm/min; ISO 527   |
| Flexural Strength            | 235 MPa                                            | 34100 psi                                           | 2 mm/min; ISO 178   |
| Flexural Modulus             | 9.10 GPa                                           | 1320 ksi                                            | 2 mm/min; ISO 178   |
| Izod Impact, Notched (ISO)   | 10.0 kJ/m <sup>2</sup><br>@Temperature 23.0<br>Â°C | 4.76 ft-lb/in <sup>2</sup><br>@Temperature 73.4 Â°F | 80*10*4; ISO 180/1A |
| Izod Impact, Unnotched (ISO) | 50.0 kJ/m <sup>2</sup><br>@Temperature 23.0<br>Â°C | 23.8 ft-lb/in <sup>2</sup><br>@Temperature 73.4 Â°F | 80*10*4; ISO 180/1U |

| Thermal Properties                             | Metric  | English | Comments                         |
|------------------------------------------------|---------|---------|----------------------------------|
| Deflection Temperature at 1.8 MPa<br>(264 psi) | 237 Â°C | 459 Â°F | Flatw 80*10*4 sp=64mm; ISO 75/Af |

## Contact Songhan Plastic Technology Co.,Ltd.

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