

## LNP Thermocomp® JF-1004 EM M BK905 Polyethersulfone, Milled Glass Fiber (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

### Material Notes:

Features: Good MoldabilityForms: PelletsProcessing Method: Injection MoldingInformation provided by LNP, a GE Plastics Company.This data sheet is labeled Discontinued; however many LNP grades are still active under new names instituted after the SABIC purchase.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LNP-Thermocomp-JF-1004-EM-M-BK905-Polyethersulfone-Milled-Glass-Fiber-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_LNP-Thermocomp-JF-1004-EM-M-BK905-Polyethersulfone-Milled-Glass-Fiber-nbspdiscontinued-.php)

| Physical Properties               | Metric       | English      | Comments            |
|-----------------------------------|--------------|--------------|---------------------|
| Specific Gravity                  | 1.59 g/cc    | 1.59 g/cc    | Method A; ASTM D792 |
| Linear Mold Shrinkage             | 0.0070 cm/cm | 0.0070 in/in | ASTM D955           |
| Linear Mold Shrinkage, Transverse | 0.0050 cm/cm | 0.0050 in/in | ASTM D955           |

| Mechanical Properties     | Metric                           | English                               | Comments  |
|---------------------------|----------------------------------|---------------------------------------|-----------|
| Tensile Strength at Break | 83.4 MPa                         | 12100 psi                             | ASTM D638 |
| Elongation at Break       | 3.6 %                            | 3.6 %                                 | ASTM D638 |
| Flexural Strength         | 117 MPa                          | 17000 psi                             | ASTM D790 |
| Flexural Modulus          | 4.65 GPa                         | 674 ksi                               | ASTM D790 |
| Izod Impact, Notched      | 0.374 J/cm<br>@Thickness 3.18 mm | 0.701 ft-lb/in<br>@Thickness 0.125 in | ASTM D256 |
| Izod Impact, Unnotched    | 4.80 J/cm<br>@Thickness 3.18 mm  | 8.99 ft-lb/in<br>@Thickness 0.125 in  | ASTM D256 |

| Thermal Properties                          | Metric | English | Comments              |
|---------------------------------------------|--------|---------|-----------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 203 °C | 397 °F  | Unannealed; ASTM D648 |

| Processing Properties | Metric       | English      | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature      | 354 - 371 °C | 669 - 700 °F |          |
| Mold Temperature      | 135 - 149 °C | 275 - 300 °F |          |
| Drying Temperature    | 121 - 149 °C | 250 - 300 °F |          |
| Dry Time              | 4 hour       | 4 hour       |          |

| Processing Properties | Metric            | English         | Comments |
|-----------------------|-------------------|-----------------|----------|
| Back Pressure         | 0.345 - 0.689 MPa | 50.0 - 99.9 psi |          |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color                  | Black |          |

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

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