

## Eurostar Starflam MF0044 PP, Glass Fiber Filled, Flame Retardant, Injection Molded

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Glass Fiber Filler , Polypropylene, Flame Retardant

### Material Notes:

Starflam MF0044 is a Halogen Free Flame Retardant, Glass Fiber Reinforced, PP Injection Molding Resin. Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Starflam-MF0044-PP-Glass-Fiber-Filled-Flame-Retardant-Injection-Molded.php](http://www.lookpolymers.com/polymer_Eurostar-Starflam-MF0044-PP-Glass-Fiber-Filled-Flame-Retardant-Injection-Molded.php)

| Physical Properties         | Metric                                      | English                                      | Comments   |
|-----------------------------|---------------------------------------------|----------------------------------------------|------------|
| Density                     | 1.16 g/cc                                   | 0.0419 lb/in <sup>3</sup>                    | ISO 1183   |
| Linear Mold Shrinkage, Flow | 0.0030 - 0.0050 cm/cm<br>@Thickness 4.00 mm | 0.0030 - 0.0050 in/in<br>@Thickness 0.157 in | E2P method |

| Mechanical Properties        | Metric                 | English                    | Comments            |
|------------------------------|------------------------|----------------------------|---------------------|
| Tensile Strength, Yield      | 75.0 MPa               | 10900 psi                  | 5 mm/min; ISO 527   |
| Elongation at Break          | 3.5 %                  | 3.5 %                      | 5 mm/min; ISO 527   |
| Flexural Yield Strength      | 90.0 MPa               | 13100 psi                  | 2 mm/min; ISO 178   |
| Flexural Modulus             | 4.30 GPa               | 624 ksi                    | 2 mm/min; ISO 178   |
| Izod Impact, Notched (ISO)   | 8.00 kJ/m <sup>2</sup> | 3.81 ft-lb/in <sup>2</sup> | 80x10x4; ISO 180/1A |
| Izod Impact, Unnotched (ISO) | 30.0 kJ/m <sup>2</sup> | 14.3 ft-lb/in <sup>2</sup> | 80x10x4; ISO 180/1U |

| Thermal Properties                          | Metric | English | Comments                           |
|---------------------------------------------|--------|---------|------------------------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 135 °C | 275 °F  | Flatw 80x10x4, sp=64 mm; ISO 75/Af |
| Flammability, UL94                          | V-0    | V-0     | 1.6                                |

| Processing Properties | Metric         | English       | Comments |
|-----------------------|----------------|---------------|----------|
| Zone 1                | 180 - 190 °C   | 356 - 374 °F  |          |
| Zone 2                | 190 - 200 °C   | 374 - 392 °F  |          |
| Zone 3                | 190 - 200 °C   | 374 - 392 °F  |          |
| Melt Temperature      | 190 - 200 °C   | 374 - 392 °F  |          |
| Mold Temperature      | 30.0 - 50.0 °C | 86.0 - 122 °F |          |
|                       | 70.0 °C        | 158 °F        |          |

|                                             |                            |                             |          |
|---------------------------------------------|----------------------------|-----------------------------|----------|
| Drying Temperature<br>Processing Properties | Metric<br>@ Time 10800 sec | English<br>@ Time 3.00 hour | Comments |
|---------------------------------------------|----------------------------|-----------------------------|----------|

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

Website : [www.lookpolymers.com](http://www.lookpolymers.com)  
Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)  
Tel : +86 021-51131842  
Mobile : +86 13061808058  
Skype : lookpolymers  
Address : United North Road 215,Fengxian District, Shanghai City,China