

## Eurostar Starglas CF006 Styrenic, 30% Glass Filled, Injection Molding

Category : Polymer , Thermoplastic , Polystyrene (PS)

### Material Notes:

Starglas CF006 is a 30% Glass Fiber Reinforced Styrenic Injection Molding Resin. Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Starglas-CF006-Styrenic-30-Glass-Filled-Injection-Molding.php](http://www.lookpolymers.com/polymer_Eurostar-Starglas-CF006-Styrenic-30-Glass-Filled-Injection-Molding.php)

| Physical Properties         | Metric                                   | English                                  | Comments   |
|-----------------------------|--|--|------------|
| Density                     | 1.27 g/cc                                | 0.0459 lb/in <sup>3</sup>                | ISO 1183   |
| Linear Mold Shrinkage, Flow | 0.0010 - 0.0030 cm/cm<br>@Time 86400 sec | 0.0010 - 0.0030 in/in<br>@Time 24.0 hour | E2P method |

| Mechanical Properties        | Metric                 | English                    | Comments            |
|------------------------------|------------------------|----------------------------|---------------------|
| Tensile Strength at Break    | 46.0 MPa               | 6670 psi                   | 5 mm/min; ISO 527   |
| Elongation at Break          | 1.0 %                  | 1.0 %                      | 5 mm/min; ISO 527   |
| Tensile Modulus              | 10.0 GPa               | 1450 ksi                   | 1 mm/min; ISO 527   |
| Flexural Strength            | 69.0 MPa               | 10000 psi                  | 2 mm/min; ISO 178   |
| Flexural Modulus             | 8.00 GPa               | 1160 ksi                   | 2 mm/min; ISO 178   |
| Izod Impact, Notched (ISO)   | 4.00 kJ/m <sup>2</sup> | 1.90 ft-lb/in <sup>2</sup> | 80x10x4; ISO 180/1A |
| Izod Impact, Unnotched (ISO) | 10.0 kJ/m <sup>2</sup> | 4.76 ft-lb/in <sup>2</sup> | 80x10x4; ISO 180/1U |

| Thermal Properties                          | Metric  | English | Comments                           |
|---|---------|---------|------------------------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 86.0 °C | 187 °F  | Flatw 80x10x4, sp=64 mm; ISO 75/Bf |
| Deflection Temperature at 1.8 MPa (264 psi) | 80.0 °C | 176 °F  | Flatw 80x10x4, sp=64 mm; ISO 75/Af |

| Processing Properties | Metric         | English      | Comments |
|-----------------------|----------------|--------------|----------|
| Zone 1                | 180 - 230 °C   | 356 - 446 °F |          |
| Zone 2                | 200 - 240 °C   | 392 - 464 °F |          |
| Zone 3                | 200 - 240 °C   | 392 - 464 °F |          |
| Melt Temperature      | 200 - 240 °C   | 392 - 464 °F |          |
| Mold Temperature      | 40.0 - 60.0 °C | 104 - 140 °F |          |

| Processing Properties | 70.0 °C<br>Metric | 158 °F<br>English | Comments |
|-----------------------|-------------------|-------------------|----------|
|                       | @Time 10800 sec   | @Time 3.00 hour   |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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