

## Lavergne VYPET VNT 930 PET 30% Glass Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 30% Glass Reinforced

### Material Notes:

Vypet VNT 930 is a 30% fiberglass reinforced PET injection molding compound designed for structural applications. Features: High temperature performance; Low warp; Excellent dimensional stability. Typical Applications: Grill retainers; Lamp holders. Information provided by Bieglo GmbH for Lavergne Performance Compounds

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lavergne-VYPET-VNT-930-PET-30-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Lavergne-VYPET-VNT-930-PET-30-Glass-Reinforced.php)

| Physical Properties               | Metric                             | English                              | Comments   |
|-----------------------------------|------------------------------------|--------------------------------------|------------|
| Density                           | 1.52 g/cc                          | 0.0549 lb/in <sup>3</sup>            | ASTM D792  |
| Linear Mold Shrinkage, Flow       | 0.0040 cm/cm<br>@Thickness 2.00 mm | 0.0040 in/in<br>@Thickness 0.0787 in | ASTM D955  |
| Linear Mold Shrinkage, Transverse | 0.0080 cm/cm<br>@Thickness 2.00 mm | 0.0080 in/in<br>@Thickness 0.0787 in | ASTM D955  |
| Ash                               | 30 %                               | 30 %                                 | ASTM D2854 |

| Mechanical Properties     | Metric                                | English                                | Comments              |
|---------------------------|---------------------------------------|--|-----------------------|
| Tensile Strength at Break | 132 MPa                               | 19100 psi                              | 5 mm/min; ASTM D638   |
| Flexural Strength         | 205 MPa                               | 29700 psi                              | 1.3 mm/min; ASTM D790 |
| Flexural Modulus          | 9.40 GPa                              | 1360 ksi                               | 1.3 mm/min; ASTM D790 |
| Izod Impact, Notched      | 1.00 J/cm<br>@Temperature 23.0<br>Â°C | 1.87 ft-lb/in<br>@Temperature 73.4 Â°F | ASTM D256             |

| Thermal Properties                          | Metric  | English | Comments  |
|---|---------|---------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 220 Â°C | 428 Â°F | ASTM D648 |

| Processing Properties     | Metric        | English       | Comments |
|---------------------------|---------------|---------------|----------|
| Feed Temperature          | 260 - 270 Â°C | 500 - 518 Â°F |          |
| Middle Barrel Temperature | 265 - 275 Â°C | 509 - 527 Â°F |          |
| Front Barrel Temperature  | 270 - 295 Â°C | 518 - 563 Â°F |          |
| Nozzle Temperature        | 275 - 300 Â°C | 527 - 572 Â°F |          |

| Melt Temperature<br>Processing Properties | 275 - 300 Â°C<br>Metric | 527 - 572 Â°F<br>English | Comments |
|---|-------------------------|--------------------------|----------|
| Mold Temperature                          | 95.0 - 120 Â°C          | 203 - 248 Â°F            |          |
| Injection Pressure                        | 55.0 - 85.0 MPa         | 7980 - 12300 psi         |          |

## 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