

## Wellman Wellamid® GF1398 BK12 30% Glass Fiber Reinforced Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

**Material Notes:**

Description: Glass Fiber Reinforced Nylon 66 Information provided by Wellman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Wellman-Wellamid-GF1398-BK12-30-Glass-Fiber-Reinforced-Nylon-66.php](http://www.lookpolymers.com/polymer_Wellman-Wellamid-GF1398-BK12-30-Glass-Fiber-Reinforced-Nylon-66.php)

| Physical Properties               | Metric                | English                   | Comments      |
|-----------------------------------|-----------------------|---------------------------|---------------|
| Density                           | 1.36 g/cc             | 0.0491 lb/in <sup>3</sup> | ISO 1183-87   |
| Filler Content                    | 30 %                  | 30 %                      |               |
| Linear Mold Shrinkage, Flow       | 0.0030 - 0.0070 cm/cm | 0.0030 - 0.0070 in/in     | ISO DIS 294-4 |
| Linear Mold Shrinkage, Transverse | 0.0080 - 0.012 cm/cm  | 0.0080 - 0.012 in/in      | ISO DIS 294-4 |

| Mechanical Properties      | Metric                 | English                    | Comments   |
|----------------------------|------------------------|----------------------------|------------|
| Tensile Strength at Break  | 180 MPa                | 26100 psi                  | ISO 527-93 |
| Elongation at Break        | 3.0 %                  | 3.0 %                      | ISO 527-93 |
| Flexural Strength          | 260 MPa                | 37700 psi                  | ISO 178-93 |
| Flexural Modulus           | 8.50 GPa               | 1230 ksi                   | ISO 178-93 |
| Izod Impact, Notched (ISO) | 9.10 kJ/m <sup>2</sup> | 4.33 ft-lb/in <sup>2</sup> | ISO 180-93 |

| Thermal Properties                          | Metric | English | Comments  |
|---|--------|---------|-----------|
| Melting Point                               | 260 °C | 500 °F  | ISO 3146  |
| Deflection Temperature at 1.8 MPa (264 psi) | 250 °C | 482 °F  | ISO 75-93 |

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

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