

## Wellman Wellamid® GF1811-BK1 15% Glass Fiber Reinforced Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% 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-GF1811-BK1-15-Glass-Fiber-Reinforced-Nylon-66.php](http://www.lookpolymers.com/polymer_Wellman-Wellamid-GF1811-BK1-15-Glass-Fiber-Reinforced-Nylon-66.php)

| Physical Properties               | Metric                | English               | Comments      |
|-----------------------------------|-----------------------|-----------------------|---------------|
| Density                           | 1.24 g/cc             | 0.0448 lb/in³         | ISO 1183-87   |
| Filler Content                    | 15 %                  | 15 %                  |               |
| Linear Mold Shrinkage, Flow       | 0.0065 - 0.0105 cm/cm | 0.0065 - 0.0105 in/in | ISO DIS 294-4 |
| Linear Mold Shrinkage, Transverse | 0.0095 - 0.0135 cm/cm | 0.0095 - 0.0135 in/in | ISO DIS 294-4 |

| Mechanical Properties      | Metric     | English        | Comments   |
|----------------------------|------------|----------------|------------|
| Tensile Strength at Break  | 120 MPa    | 17400 psi      | ISO 527-93 |
| Elongation at Break        | 2.5 %      | 2.5 %          | ISO 527-93 |
| Flexural Strength          | 165 MPa    | 23900 psi      | ISO 178-93 |
| Flexural Modulus           | 5.40 GPa   | 783 ksi        | ISO 178-93 |
| Izod Impact, Notched (ISO) | 5.00 kJ/m² | 2.38 ft-lb/in² | ISO 180-93 |

| Thermal Properties                          | Metric | English | Comments  |
|---------------------------------------------|--------|---------|-----------|
| Melting Point                               | 260 °C | 500 °F  | ISO 3146  |
| Deflection Temperature at 1.8 MPa (264 psi) | 240 °C | 464 °F  | ISO 75-93 |

## Contact Songhan Plastic Technology Co.,Ltd.

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