

## Wellman Wellamid® GS1861-N1(PTFE) Nylon 66, 35% Glass Sphere Reinforced, Enhanced Lubrication

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Bead Filled

### Material Notes:

All information provided by Wellman Engineered Resins.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Wellman-Wellamid-GS1861-N1PTFE-Nylon-66-35-Glass-Sphere-Reinforced-Enhanced-Lubrication.php](http://www.lookpolymers.com/polymer_Wellman-Wellamid-GS1861-N1PTFE-Nylon-66-35-Glass-Sphere-Reinforced-Enhanced-Lubrication.php)

| Physical Properties               | Metric               | English                   | Comments    |
|-----------------------------------|----------------------|---------------------------|-------------|
| Density                           | 1.46 g/cc            | 0.0527 lb/in <sup>3</sup> | ISO 1183-87 |
| Linear Mold Shrinkage, Flow       | 0.010 - 0.014 cm/cm  | 0.010 - 0.014 in/in       | DIS 294-4   |
| Linear Mold Shrinkage, Transverse | 0.0090 - 0.013 cm/cm | 0.0090 - 0.013 in/in      | DIS 294-4   |

| Mechanical Properties      | Metric                 | English                    | Comments   |
|----------------------------|------------------------|----------------------------|------------|
| Tensile Strength at Break  | 70.0 MPa               | 10200 psi                  | ISO 527-93 |
| Elongation at Break        | 3.0 %                  | 3.0 %                      | ISO 527-93 |
| Flexural Strength          | 115 MPa                | 16700 psi                  | ISO 178-93 |
| Flexural Modulus           | 4.10 GPa               | 595 ksi                    | ISO 178-93 |
| Izod Impact, Notched (ISO) | 4.00 kJ/m <sup>2</sup> | 1.90 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) | 80.0 °C | 176 °F  | ISO 75-93 |

## Contact Songhan Plastic Technology Co.,Ltd.

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