

## Wellman Wellamid® GFX1743-N1(PTFE) 45% Glass Fiber Reinforced, Enhanced Lubrication Nylon 66/6

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66

### Material Notes:

Description: Glass Fiber Reinforced, Enhanced Lubrication Nylon 66/6 Information provided by Wellman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Wellman-Wellamid-GFX1743-N1PTFE-45-Glass-Fiber-Reinforced-Enhanced-Lubrication-Nylon-666.php](http://www.lookpolymers.com/polymer_Wellman-Wellamid-GFX1743-N1PTFE-45-Glass-Fiber-Reinforced-Enhanced-Lubrication-Nylon-666.php)

| Physical Properties               | Metric                | English                   | Comments      |
|-----------------------------------|-----------------------|---------------------------|---------------|
| Density                           | 1.57 g/cc             | 0.0567 lb/in <sup>3</sup> | ISO 1183-87   |
| Filler Content                    | 45 %                  | 45 %                      |               |
| Linear Mold Shrinkage, Flow       | 0.0020 - 0.0040 cm/cm | 0.0020 - 0.0040 in/in     | ISO DIS 294-4 |
| Linear Mold Shrinkage, Transverse | 0.0070 - 0.0090 cm/cm | 0.0070 - 0.0090 in/in     | ISO DIS 294-4 |

| Mechanical Properties      | Metric                 | English                    | Comments   |
|----------------------------|------------------------|----------------------------|------------|
| Tensile Strength at Break  | 225 MPa                | 32600 psi                  | ISO 527-93 |
| Elongation at Break        | 4.0 %                  | 4.0 %                      | ISO 527-93 |
| Flexural Strength          | 325 MPa                | 47100 psi                  | ISO 178-93 |
| Flexural Modulus           | 12.9 GPa               | 1870 ksi                   | ISO 178-93 |
| Izod Impact, Notched (ISO) | 13.0 kJ/m <sup>2</sup> | 6.19 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) | 225 °C | 437 °F  | ISO 75-93 |

## Contact Songhan Plastic Technology Co.,Ltd.

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