

## Wellman Wellamid® GSF1849-N1 Nylon 66, 40% Glass Sphere/Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled

**Material Notes:**

Developmental product All information provided by Wellman Engineered Resins.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Wellman-Wellamid-GSF1849-N1-Nylon-66-40-Glass-SphereFiber-Reinforced.php](http://www.lookpolymers.com/polymer_Wellman-Wellamid-GSF1849-N1-Nylon-66-40-Glass-SphereFiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in <sup>3</sup>	ISO 1183-87
Linear Mold Shrinkage, Flow	0.0060 - 0.010 cm/cm	0.0060 - 0.010 in/in	DIS 294-4
Linear Mold Shrinkage, Transverse	0.014 - 0.018 cm/cm	0.014 - 0.018 in/in	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	180 MPa	26100 psi	ISO 178-93
Flexural Modulus	7.50 GPa	1090 ksi	ISO 178-93
Izod Impact, Notched (ISO)	2.50 kJ/m <sup>2</sup>	1.19 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)	235 °C	455 °F	ISO 75-93

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

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