

**Wellman Wellamid® GB1430-N 33% Glass Bubble Filled, Low Density Nylon 66**

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

**Material Notes:**

Description: Glass Bubble Filled, Low Density Nylon 66 Information provided by Wellman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Wellman-Wellamid-GB1430-N-33-Glass-Bubble-Filled-Low-Density-Nylon-66.php](http://www.lookpolymers.com/polymer_Wellman-Wellamid-GB1430-N-33-Glass-Bubble-Filled-Low-Density-Nylon-66.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ISO 1183-87
Filler Content	33 %	33 %	
Linear Mold Shrinkage, Flow	0.0075 - 0.0105 cm/cm	0.0075 - 0.0105 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0075 - 0.0105 cm/cm	0.0075 - 0.0105 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	ISO 527-93
Elongation at Break	4.5 %	4.5 %	ISO 527-93
Flexural Strength	100 MPa	14500 psi	ISO 178-93
Flexural Modulus	3.80 GPa	551 ksi	ISO 178-93
Izod Impact, Notched (ISO)	3.00 kJ/m <sup>2</sup>	1.43 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)	140 °C	284 °F	ISO 75-93

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	282 - 310 °C	540 - 590 °F	
Middle Barrel Temperature	277 - 304 °C	530 - 580 °F	
Front Barrel Temperature	271 - 299 °C	520 - 570 °F	
Nozzle Temperature	271 - 304 °C	520 - 580 °F	
Melt Temperature	271 - 304 °C	520 - 580 °F	
Mold Temperature	71.1 - 93.3 °C	160 - 200 °F	

Drying Temperature Processing Properties	79.4 °C Metric	175 °F English	Opened bags and gaylord boxes Comments
Dry Time	2 - 4 hour	2 - 4 hour	Opened bags and gaylord boxes
Moisture Content	0.050 - 0.20 %	0.050 - 0.20 %	During molding to prevent hydrolytic degradation
	<= 0.20 %	<= 0.20 %	In shipping bags, ready to mold
Injection Pressure	34.5 - 138 MPa	5000 - 20000 psi	
Back Pressure	0.345 MPa	50.0 psi	
Screw Speed	30 - 120 rpm	30 - 120 rpm	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China