

## Wellman Wellamid® FRGS25-6-NBK3 25% Glass Sphere Reinforced Flame Retardant Nylon 66

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

### Material Notes:

Description: Glass Sphere Reinforced Flame Retardant Nylon 66 Information provided by Wellman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Wellman-Wellamid-FRGS25-6-NBK3-25-Glass-Sphere-Reinforced-Flame-Retardant-Nylon-66.php](http://www.lookpolymers.com/polymer_Wellman-Wellamid-FRGS25-6-NBK3-25-Glass-Sphere-Reinforced-Flame-Retardant-Nylon-66.php)

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in <sup>3</sup>	ISO 1183-87
Filler Content	25 %	25 %	
Linear Mold Shrinkage, Flow	0.012 - 0.014 cm/cm	0.012 - 0.014 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.012 - 0.014 cm/cm	0.012 - 0.014 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	ISO 527-93
Elongation at Break	4.5 %	4.5 %	ISO 527-93
Flexural Strength	95.0 MPa	13800 psi	ISO 178-93
Flexural Modulus	4.30 GPa	624 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)	110 °C	230 °F	ISO 75-93
Flammability, UL94	V-0 @Thickness 0.790 mm	V-0 @Thickness 0.0311 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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