

Wellamid® GS1861-N1(PTFE)

Polyamide 66
Wellman Engineering Resins

Message:

Wellamid® GS1861-N1(PTFE) is a Polyamide 66 (Nylon 66) material filled with 35% glass bead. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Wellamid® GS1861-N1(PTFE): Lubricated.

General Information			
Filler / Reinforcement	Glass Bead,35% Filler by Weight		
Additive	PTFE Lubricant		
Features	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.46	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 23°C	0.90 to 1.3	%	
Flow : 23°C	1.0 to 1.4	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	70.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	3.0	%	ISO 527-2
Flexural Modulus (23°C)	4100	MPa	ISO 178
Flexural Stress (23°C)	115	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	4.0	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
Melting Temperature (DSC)	260	°C	ISO 3146

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Recommended distributors for this material

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