

Wellamid® GS1684-WBK1

Polyamide 66
Wellman Engineering Resins

Message:

Wellamid® GS1684-WBK1 is a Polyamide 66 (Nylon 66) material filled with 25% glass bead. It is available in Asia Pacific, Europe, Latin America, or North America.
Typical application of Wellamid® GS1684-WBK1: Automotive

General Information			
Filler / Reinforcement	Glass Bead,25% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.2 to 1.6	%	
Flow	1.1 to 1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	65.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	%	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)	2.0	kJ/m ²	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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