

Wellamid® GF20-60 XE-NBK1

Polyamide 6
Wellman Engineering Resins

Message:

Wellamid® GF20-60 XE-NBK1 is a Polyamide 6 (Nylon 6) material filled with 20% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America.

Typical application of Wellamid® GF20-60 XE-NBK1: Automotive

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 23°C	0.80 to 1.2	%	
Flow : 23°C	0.30 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	135	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	3.0	%	ISO 527-2
Flexural Modulus (23°C)	6200	MPa	ISO 178
Flexural Stress (23°C)	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	5.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	200	°C	ISO 75-2/A
Melting Temperature	220	°C	ISO 3146

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Recommended distributors for this material

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