

Wellamid® GFX1624-BK(PTFE)

Polyamide 66
Wellman Engineering Resins

Message:

Wellamid® GFX1624-BK(PTFE) is a Polyamide 66 (Nylon 66) material filled with 30% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Wellamid® GFX1624-BK(PTFE): Lubricated.
Typical application of Wellamid® GFX1624-BK(PTFE): Automotive

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	PTFE Lubricant		
Features	Lubricated		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.51	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)	145	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	3.0	%	ISO 527-2
Flexural Modulus (23°C)	9000	MPa	ISO 178
Flexural Stress (23°C)	210	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	9.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	245	°C	ISO 75-2/A
Melting Temperature (DSC)	260	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	282 to 310	°C	
Middle Temperature	277 to 304	°C	
Front Temperature	271 to 299	°C	
Nozzle Temperature	271 to 304	°C	
Processing (Melt) Temp	271 to 304	°C	
Mold Temperature	65.6 to 93.3	°C	
Injection Pressure	34.5 to 138	MPa	

Back Pressure	0.345	MPa
Screw Speed	30 to 120	rpm

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Recommended distributors for this material

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