

EcoLon® GF3004-BK1

Polyamide 6

Wellman Engineering Resins

Message:

EcoLon® GF3004-BK1 is a Polyamide 6 (Nylon 6) material filled with 35% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America.

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.80 to 1.2	%	
Flow	0.20 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	150	MPa	ISO 527-2
Tensile Strain (Break)	2.1	%	ISO 527-2
Flexural Modulus	10100	MPa	ISO 178
Flexural Stress	221	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength	9.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	°C	ISO 75-2/A
Melting Temperature	220	°C	ISO 3146

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Recommended distributors for this material

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