

Wondel® B BG9F

Polyamide 6

Nanjing Julong Engineering Plastics Co., LTD

Message:

Wondel® B BG9F is a Polyamide 6 (Nylon 6) material filled with 45% glass fiber. It is available in Asia Pacific. Primary attribute of Wondel® B BG9F: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm³	ISO 1183
Molding Shrinkage	0.20 to 0.45	%	ISO 294-4
Water Absorption (23°C, 24 hr)	5.5	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	195	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Stress	270	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	22	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	220	°C	ISO 75-2/B
Melting Temperature (DSC)	220	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+13	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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