

Badamid® PA12 GF30

Polyamide 12

Bada AG

Message:

30% glass fibre reinforced PA12 injection moulding grade

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA12-GF30<		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5700	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	110	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	60	kJ/m ²	ISO 179/1eA
Notched Izod Impact Strength (23°C)	11	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	170	°C	ISO 75-2/B
1.8 MPa, Unannealed	150	°C	ISO 75-2/A
Melting Temperature (DSC) ¹	180	°C	ISO 3146
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
0.800 mm	HB		
1.60 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0 to 8.0	hr	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	40.0 to 60.0	°C	
NOTE			
1.	10 K/Min		

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Recommended distributors for this material

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