

Badamid® PA12 GK30

Polyamide 12

Bada AG

Message:

30% glass beads reinforced, heat stabilized PA12 injection moulding grade; Superior mould release agent and impact strength

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Additive	Heat Stabilizer		
	Mold Release		
Features	Good Mold Release		
	Heat Stabilized		
	High Impact Resistance		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA12-GK30<		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	45.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	25	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	65	kJ/m ²	
23°C	110	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC) ¹	178	°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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