

ALCOM® PA6 900/1 GF10 GB20

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALCOM® PA6 900/1 GF10 GB20 is a Polyamide 6 (Nylon 6) product filled with 20% glass bead and 10% glass fiber. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PA6 900/1 GF10 GB20 include automotive and engineering/industrial parts.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- Heat Stabilizer
- Warp Resistant

General Information			
Filler / Reinforcement	Glass Bead,20% Filler by Weight		
	Glass Fiber,10% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Low Warpage		
Uses	Automotive Applications		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.34	g/cm ³	ISO 1183
Relative Viscosity ¹	3.00		ISO 307, 1157, 1628
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5450	MPa	ISO 527-2
Tensile Stress	100	MPa	ISO 527-2
Tensile Strain (Break)	3.1	%	ISO 527-2
Flexural Modulus	5000	MPa	ISO 178
Flexural Stress	155	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	34	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	194	°C	ISO 75-2/A
Vicat Softening Temperature	210	°C	ISO 306/B50
Injection	Nominal Value	Unit	

Drying Temperature	80.0	°C
Drying Time	2.0 to 12	hr
Processing (Melt) Temp	270 to 290	°C
Mold Temperature	80.0 to 100	°C

NOTE

1. m-Cresol, c = 10 g/l

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Recommended distributors for this material

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