

ALCOM® PA6 900/8.4 GF10 MR20

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALCOM® PA6 900/8.4 GF10 MR20 is a Polyamide 6 (Nylon 6) product filled with 10% glass fiber and 20% mineral. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PA6 900/8.4 GF10 MR20 include automotive, engineering/industrial parts and housings.

Characteristics include:

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

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
	Mineral,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Surface Finish		
	Heat Stabilized		
	Low Warpage		
Uses	Automotive Applications		
	Housings		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8300	MPa	ISO 527-2
Tensile Stress (Break)	115	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	8200	MPa	ISO 178
Flexural Stress	175	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	50	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	200	°C	ISO 75-2/A
Vicat Softening Temperature	210	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	80.0	°C	
Drying Time - Desiccant Dryer	2.0 to 12	hr	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	80.0 to 100	°C	

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