

ALCOM® PA6 900/5.2 CF/MR25

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALCOM®PA6 900/5.2 CF/MR25 is a polyamide 6 (nylon 6) product, which contains 15% mineral fillers and 10% carbon fiber reinforced materials. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALCOM®The application fields of PA6 900/5.2 CF/MR25 include engineering/industrial accessories and automobile industry.

- Features include:
- Comply with REACH standard
 - ROHS certification
 - Conductivity
 - anti-warping
 - heat stabilizer

General Information			
Filler / Reinforcement	Mineral filler, 15% filler by weight		
	Carbon fiber reinforced material, 10% filler by weight		
Additive	heat stabilizer		
Features	Conductivity		
	Low warpage		
	Thermal Stability		
Uses	Machine/mechanical parts		
	Application in Automobile Field		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12000	MPa	ISO 527-2
Tensile Stress	145	MPa	ISO 527-2
Tensile Strain (Break)	2.1	%	ISO 527-2
Flexural Modulus	9500	MPa	ISO 178
Flexural Stress	210	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	40	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	°C	ISO 75-2/A

Vicat Softening Temperature	210	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 4.4E+2	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	< 80	°C	
Drying Time - Desiccant Dryer	2.0 - 12	hr	
Processing (Melt) Temp	270 - 290	°C	
Mold Temperature	80 - 100	°C	

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Recommended distributors for this material

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