

ALCOM® PA66 910/1.1 CF10 GF10 IM

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALCOM® PA66 910/1.1 CF10 GF10 IM is a Polyamide 66 (Nylon 66) product filled with 10% carbon fiber and 10% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PA66 910/1.1 CF10 GF10 IM include engineering/industrial parts and automotive.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- Conductive
- Heat Stabilizer
- High Stiffness

General Information			
Filler / Reinforcement	Carbon Fiber,10% Filler by Weight		
	Glass Fiber,10% Filler by Weight		
Additive	Heat Stabilizer		
	Impact Modifier		
Features	Electrically Conductive		
	Heat Stabilized		
	High Stiffness		
	Impact Modified		
Uses	Automotive Applications		
	Bearings		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ISO 527-2
Tensile Stress (Break)	150	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	8400	MPa	ISO 178
Flexural Stress	220	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength (23°C)	65	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	250	°C	ISO 75-2/A
Vicat Softening Temperature	250	°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	280 to 300	°C	
Mold Temperature	80.0 to 120	°C	

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