

ALCOM® PA66 910/1 GF30 MO1

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALCOM® PA66 910/1 GF30 MO1 is a Polyamide 66 (Nylon 66) product filled with 30% 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 GF30 MO1 include engineering/industrial parts and automotive. Characteristics include:
REACH Compliant
RoHS Compliant
Heat Stabilizer
Lubricated
Wear Resistant

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
	Molybdenum Disulfide Lubricant (1%)		
Features	Good Wear Resistance		
	Heat Stabilized		
Uses	Automotive Applications		
	Bearings		
	Gears		
	Machine/Mechanical Parts		
	Wheels		
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	9800	MPa	ISO 527-2
Tensile Stress	180	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	8500	MPa	ISO 178
Flexural Stress	265	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	45	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	255	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 12	hr	
Processing (Melt) Temp	280 to 300	°C	
Mold Temperature	80.0 to 120	°C	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

