

# ALCOM® PA66 910/9.1 GF/MR40

Polyamide 66  
ALBIS PLASTIC GmbH

Message:

ALCOM® PA66 910/9.1 GF/MR40 is a Polyamide 66 (Nylon 66) product filled with 40% glass\mineral. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PA66 910/9.1 GF/MR40 include automotive, electrical/electronic applications, engineering/industrial parts and housings.

Characteristics include:

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

General Information			
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Surface Finish		
	Heat Stabilized		
	Low Warpage		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Housings		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7800	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	7000	MPa	ISO 178
Flexural Stress	175	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	42	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	240	°C	ISO 75-2/A
Vicat Softening Temperature	200	°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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