

# ALCOM® PA66 910/1 AR20

Polyamide 66

ALBIS PLASTIC GmbH

## Message:

ALCOM® PA66 910/1 AR20 is a polyamide 66 (nylon 66) product containing 20% aramid fibers. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALCOM® The application fields of PA66 910/1 AR20 include engineering/industrial accessories and automobile industry.

Features include:

Comply with REACH standard

ROHS certification

High stiffness

heat stabilizer

General Information			
Filler / Reinforcement	Aramid fiber, 20% filler by weight		
Additive	heat stabilizer		
Features	Rigidity, high		
	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	1.18	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3700	MPa	ISO 527-2
Tensile Stress (Break)	72.0	MPa	ISO 527-2
Tensile Strain (Break)	2.2	%	ISO 527-2
Flexural Modulus	3550	MPa	ISO 178
Flexural Stress	115	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	16	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
Vicat Softening Temperature	247	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	< 80	°C	
Drying Time - Desiccant Dryer	2.0 - 12	hr	

Processing (Melt) Temp	280 - 300	°C
Mold Temperature	80 - 120	°C

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#### Recommended distributors for this material

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