

ALCOM® PA66 910/1 AR5

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALCOM® PA66 910/1 AR5 is a Polyamide 66 (Nylon 66) product filled with 5.0% aramid fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PA66 910/1 AR5 include engineering/industrial parts and automotive.

Characteristics include:

REACH Compliant
RoHS Compliant
Heat Stabilizer
Wear Resistant

General Information			
Filler / Reinforcement	Aramid Fiber,5.0% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Wear Resistance		
	Heat Stabilized		
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	1.15	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	100	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3500	MPa	ISO 527-2
Tensile Stress (Break)	66.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	3000	MPa	ISO 178
Flexural Stress	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	15	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
Vicat Softening Temperature	245	°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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