

ALCOM® PA6 900/1 Si3

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALCOM® PA6 900/1 Si3 is a Polyamide 6 (Nylon 6) product. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PA6 900/1 Si3 include engineering/industrial parts and automotive.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- Heat Stabilizer
- Lubricated
- Wear Resistant

General Information				
Additive		Heat Stabilizer Silicone Lubricant (3%)		
Features		Good Wear Resistance Heat Stabilized		
Uses		Automotive Applications Bearings Machine/Mechanical Parts		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm ³	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3350	--	MPa	ISO 527-2
Tensile Stress (Break)	56.0	--	MPa	ISO 527-2
Tensile Strain (Break)	7.5	--	%	ISO 527-2
Flexural Modulus	2700	--	MPa	ISO 178
Flexural Stress	105	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	6.0	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	90	--	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	70.0	--	°C	ISO 75-2/A


Vicat Softening Temperature	200	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+13	ohms	IEC 60093
Injection	Dry	Unit		
Drying Temperature - Desiccant Dryer	80.0		°C	
Drying Time - Desiccant Dryer	2.0 to 12		hr	
Processing (Melt) Temp	250 to 270		°C	
Mold Temperature	40.0 to 80.0		°C	

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