

ALCOM® PA46 920/1 PTFE15

Polyamide 46
ALBIS PLASTIC GmbH

Message:

ALCOM® PA46 920/1 PTFE15 is a Polyamide 46 (Nylon 46) product. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PA46 920/1 PTFE15 include engineering/industrial parts and automotive.

Characteristics include:

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

General Information			
Additive	Heat Stabilizer		
	PTFE Lubricant (15%)		
Features	Good Wear Resistance		
	Heat Stabilized		
Uses	Automotive Applications		
	Bearings		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress (Yield)	60.0	MPa	ISO 527-2
Tensile Strain (Yield)	2.5	%	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
Flexural Stress	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	25	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
Vicat Softening Temperature	275	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	

Drying Time	2.0 to 12	hr
Suggested Max Moisture	0.010	%
Processing (Melt) Temp	305 to 320	°C
Mold Temperature	40.0 to 100	°C

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