

ALCOM® PA6 900/1 GF30 TF15 SI2 IM

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALCOM® PA6 900/1 GF30 TF15 SI2 IM is a Polyamide 6 (Nylon 6) product filled with 30% glass fiber. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PA6 900/1 GF30 TF15 SI2 IM include automotive and engineering/industrial parts.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- Heat Stabilizer
- High Stiffness
- Lubricated

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Additive		Heat Stabilizer		
		PTFE + Silicone Lubricant (17%)		
Features		Good Wear Resistance		
		Heat Stabilized		
		High Stiffness		
Uses		Automotive Applications		
		Machine/Mechanical Parts		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.42	--	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	4.00	--	cm ³ /10min	ISO 1133
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	7700	--	MPa	ISO 527-2
Tensile Stress	90.0	--	MPa	ISO 527-2
Tensile Strain (Break)	3.0	--	%	ISO 527-2
Flexural Modulus	6100	--	MPa	ISO 178
Flexural Stress	125	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
--	15	--	kJ/m ²	
-40°C	11	--	kJ/m ²	

Charpy Unnotched Impact Strength			ISO 179/1eU	
--	55	--	kJ/m ²	
-40°C	45	--	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	192	--	°C	ISO 75-2/A
Vicat Softening Temperature	192	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	4.0	ohms	IEC 60093
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	2.0 to 12		hr	
Processing (Melt) Temp	270 to 290		°C	
Mold Temperature	80.0 to 100		°C	

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