

ALCOM® PA6 900/1 GF30 WT1165-10LB

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALCOM® PA6 900/1 GF30 WT1165-10LB 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 WT1165-10LB include automotive, handles, lighting applications and reflectors. Characteristics include:
REACH Compliant
RoHS Compliant
Slip

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Slip		
Features	High Reflectivity		
	Slip		
Uses	Automotive Applications		
	Automotive Interior Parts		
	Handles		
	Lighting Applications		
	Reflectors		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Opaque		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Moisture - Karl Fischer	0.10	%	ISO 15512
Tristimulus Value			
Y10 of Reflection	0.0	%	DIN 5033
Y10 of Transmittance : 500.0 µm	1.7	%	ISO 13468
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 961/30)	196	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9400	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	122	MPa	
--	123	MPa	
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	8700	MPa	ISO 178
Flexural Stress	185	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	6.0	kJ/m ²	
-40°C	4.0	kJ/m ²	
-20°C	4.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	39	kJ/m ²	
-40°C	36	kJ/m ²	
-20°C	37	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	205	°C	ISO 75-2/A
Vicat Softening Temperature	200	°C	ISO 306/B50
Injection	Nominal Value	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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