

# ALTECH® PA6 A 3030/120 GB30 UV

Polyamide 6  
ALBIS PLASTIC GmbH

Message:

ALTECH® PA6 A 3030/120 GB30 UV is a Polyamide 6 (Nylon 6) product filled with 30% glass bead. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALTECH® PA6 A 3030/120 GB30 UV include engineering/industrial parts, construction applications and sporting goods.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- Good Mold Release
- Good UV Resistance
- UV Stabilized

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Additive	UV Stabilizer		
Features	Good Flow		
	Good Mold Release		
	Good UV Resistance		
	Low Warpage		
Uses	Bearings		
	Construction Applications		
	Gears		
	Sporting Goods		
	Wheels		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm <sup>3</sup>	ISO 1183
Relative Viscosity <sup>1</sup>	2.90		ISO 307, 1157, 1628
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4100	MPa	ISO 527-2
Tensile Stress (Break)	75.0	MPa	ISO 527-2
Tensile Strain (Break)	13	%	ISO 527-2
Flexural Modulus	3900	MPa	ISO 178
Flexural Stress	125	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	3.0	kJ/m <sup>2</sup>	

-40°C	3.0	kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength		ISO 179/1eU	
--	30	kJ/m <sup>2</sup>	
-40°C	18	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	66.0	°C	ISO 75-2/A
Vicat Softening Temperature	206	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	80.0	°C	
Drying Time - Desiccant Dryer	2.0 to 20	hr	
Suggested Max Moisture	0.15	%	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	80.0 to 100	°C	
NOTE			
1.	m-Cresol, c = 10 g/l		

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#### Recommended distributors for this material

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