

ALTECH® PA6 A 2030/109

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALTECH®PA6 A 2030/109 is a polyamide 6 (nylon 6) product, which contains a 30% glass fiber reinforced material. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Typical application areas are: housing.

Features include:

- flame retardant/rated flame
- Comply with REACH standard
- ROHS certification
- high liquidity
- heat stabilizer

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	heat stabilizer		
Features	High liquidity		
	Thermal Stability		
	Good demoulding performance		
Uses	Shell		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Lateral flow: 24 hours	0.60 - 0.80	%	ISO 294-4
Traffic: 24 hours	0.20 - 0.40	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9000	MPa	ISO 527-2
Tensile Stress (Break)	170	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	8000	MPa	ISO 178
Flexural Stress	240	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	11	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	70	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	200	°C	ISO 75-2/A
Vicat Softening Temperature	200	°C	ISO 306/B50
Flammability	Nominal Value		Test Method

Flame Rating (0.75 mm)	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature - Desiccant Dryer	80	°C
Drying Time - Desiccant Dryer	2.0 - 12	hr
Suggested Max Moisture	0.15	%
Processing (Melt) Temp	270 - 290	°C
Mold Temperature	80 - 100	°C

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Recommended distributors for this material

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