

ALTECH® PA6 ECO 2025/509 GF25

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALTECH®PA6 ECO 2025/509 GF25 is a polyamide 6 (nylon 6) product, which contains a 25% 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, 25% 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	Dry	Conditioned	Unit	Test Method
Density	1.31	--	g/cm ³	ISO 1183
Moisture - Karl Fischer	1.8	--	%	ISO 15512
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8000	4000	MPa	ISO 527-2
Tensile Stress				ISO 527-2
Yield	--	95.0	MPa	ISO 527-2
Fracture	115	--	MPa	ISO 527-2
Tensile Strain				ISO 527-2
Yield	--	6.0	%	ISO 527-2
Fracture	3.0	--	%	ISO 527-2
Flexural Modulus	7000	--	MPa	ISO 178
Flexural Stress	210	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	6.0	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	50	80	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	198	--	°C	ISO 75-2/A
Vicat Softening Temperature	200	--	°C	ISO 306/B50
Flammability	Dry	Conditioned		Test Method
Flame Rating (0.75 mm)	HB	--		UL 94
Injection	Dry	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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

