

# ALTECH® PA6 C 2025/509 GF25

Polyamide 6  
ALBIS PLASTIC GmbH

Message:

ALTECH® PA6 C 2025/509 GF25 is a Polyamide 6 (Nylon 6) product filled with 25% glass fiber. It is available in Asia Pacific, Europe, or North America.  
Typical application: Housings.  
Characteristics include:  
Flame Rated  
REACH Compliant  
RoHS Compliant  
Good Mold Release  
Heat Stabilizer

General Information				
Filler / Reinforcement		Glass Fiber,25% Filler by Weight		
Additive		Heat Stabilizer		
Features		Good Mold Release		
		Heat Stabilized		
		High Flow		
Uses		Housings		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.31	--	g/cm <sup>3</sup>	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	
Break	115	--	MPa	
Tensile Strain				ISO 527-2
Yield	--	6.0	%	
Break	3.0	--	%	
Flexural Modulus	7000	--	MPa	ISO 178
Flexural Stress	210	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	5.5	15	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	50	80	kJ/m <sup>2</sup>	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 (0.750 mm)	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	2.0 to 12		hr	
Suggested Max Moisture	0.15		%	
Processing (Melt) Temp	270 to 290		°C	
Mold Temperature	80.0 to 100		°C	

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Recommended distributors for this material

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