

ALTECH® PA6 A 2025/109 GF25

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALTECH® PA6 A 2025/109 GF25 is a Polyamide 6 (Nylon 6) product filled with 25% glass fiber. It is available in Asia Pacific, Europe, or North America. Characteristics include:
Flame Rated
REACH Compliant
RoHS Compliant
Heat Stabilizer

General Information				
Filler / Reinforcement		Glass Fiber,25% Filler by Weight		
Additive		Heat Stabilizer		
Features		Heat Stabilized		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.31	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	7.0	--	%	
Equilibrium, 23°C, 50% RH	2.1	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8000	--	MPa	ISO 527-2
Tensile Stress (Break)	144	--	MPa	ISO 527-2
Tensile Strain (Break)	3.5	--	%	ISO 527-2
Flexural Modulus	7000	--	MPa	ISO 178
Flexural Stress	215	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	10	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	71	--	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	209	--	°C	ISO 75-2/A
Vicat Softening Temperature	214	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+17	--	ohms · cm	IEC 60093

Comparative Tracking Index	525	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.750 mm)	HB	--		UL 94
Glow Wire Flammability Index (1.00 mm)	650	--	°C	IEC 60695-2-12
Injection	Dry	Unit		
Drying Temperature - Desiccant Dryer	80.0		°C	
Drying Time - Desiccant Dryer	2.0 to 12		hr	
Processing (Melt) Temp	270 to 290		°C	
Mold Temperature	80.0 to 100		°C	

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