

ALTECH® PA6 A 2040/100 GF40

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALTECH® PA6 A 2040/100 GF40 is a Polyamide 6 (Nylon 6) product filled with 40% glass fiber. It is available in Asia Pacific, Europe, or North America.
Typical application: Housings.
Characteristics include:
REACH Compliant
RoHS Compliant
Good Mold Release
Heat Stabilizer
High Flow

General Information			
Filler / Reinforcement	Glass Fiber,40% 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	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12500	MPa	ISO 527-2
Tensile Stress	185	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	10700	MPa	ISO 178
Flexural Stress	260	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	75	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	205	°C	ISO 75-2/A
Vicat Softening Temperature	210	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	80.0	°C	
Drying Time - Desiccant Dryer	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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