

ALTECH® PA6 C 2010/506 GF10

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALTECH® PA6 C 2010/506 GF10 is a Polyamide 6 (Nylon 6) product filled with 10% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALTECH® PA6 C 2010/506 GF10 include engineering/industrial parts and housings. Characteristics include:
REACH Compliant
RoHS Compliant
Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Uses	Housings		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	6.0	%	
Equilibrium, 23°C, 50% RH	4.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4400	MPa	ISO 527-2
Tensile Stress (Break)	80.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	4300	MPa	ISO 178
Flexural Stress	140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	25	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	160	°C	ISO 75-2/A
Vicat Softening Temperature	206	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 20	hr	

Processing (Melt) Temp	270 to 290	°C
Mold Temperature	80.0 to 90.0	°C

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Recommended distributors for this material

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