

ALTECH® PA6 C 4240/106

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALTECH® PA6 C 4240/106 is a Polyamide 6 (Nylon 6) product filled with 40% glass\mineral. It is available in Asia Pacific, Europe, or North America. Applications of ALTECH® PA6 C 4240/106 include automotive and housings. Characteristics include:
Eco-Friendly/Green
REACH Compliant
RoHS Compliant
High Stiffness

General Information			
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight		
Recycled Content	Yes		
Features	High Stiffness		
Uses	Automotive Applications		
	Housings		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	45.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9000	MPa	ISO 527-2
Tensile Stress	100	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	8000	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	5.0	kJ/m²	
-40°C	5.0	kJ/m²	
-20°C	5.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	30	kJ/m²	
-40°C	30	kJ/m²	
-20°C	30	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	196	°C	ISO 75-2/A

Vicat Softening Temperature	210	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	60.0 to 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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Recommended distributors for this material

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