

ALTECH® PA6 ECO 4240/106

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALTECH®PA6 ECO 4240/106 is a polyamide 6 (nylon 6) product that contains 40% glass and minerals. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALTECH®The application fields of PA6 ECO 4240/106 include housing and automobile industries.

Features include:

- Comply with REACH standard
- environmental protection/green
- ROHS certification
- High stiffness

General Information			
Filler / Reinforcement	Glass \mineral, 40% filler by weight		
Recycled Content	Yes		
Features	Rigidity, high		
Uses	Application in Automobile Field		
	Shell		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
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	ISO 179/1eA
-40°C	5.0	kJ/m²	ISO 179/1eA
-20°C	5.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	30	kJ/m²	ISO 179/1eU
-40°C	30	kJ/m²	ISO 179/1eU
-20°C	30	kJ/m²	ISO 179/1eU
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 - 80	°C	
Drying Time - Desiccant Dryer	2.0 - 12	hr	
Suggested Max Moisture	0.15	%	
Processing (Melt) Temp	270 - 290	°C	
Mold Temperature	80 - 100	°C	

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