

ALTECH® PA6 ECO 2030/119 GF30IM

Polyamide 6
ALBIS PLASTIC GmbH

Message:

ALTECH®PA6 ECO 2030/119 GF30IM is a polyamide 6 (nylon 6) product, which contains a 30% glass fiber reinforced material. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region.

Features include:

- flame retardant/rated flame
- Comply with REACH standard
- ROHS certification
- Impact modification

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	5.00	cm ³ /10min	ISO 1133
	2.0		
Water Absorption (Equilibrium, 23°C, 50% RH)	7.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8400	MPa	ISO 527-2
Tensile Stress (Break)	135	MPa	ISO 527-2
Tensile Strain (Break)	3.2	%	ISO 527-2
Flexural Modulus	7400	MPa	ISO 178
Flexural Stress	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	14	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	70	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	206	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	IEC 60093
Volume Resistivity	1.8E+12	ohms · cm	IEC 60093

Comparative Tracking Index	400	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.75 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	< 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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Recommended distributors for this material

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