

ALTECH® PC ECO 2030/500 GF30

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALTECH®PC ECO 2030/500 GF30 is a polycarbonate (PC) product, which contains 30% glass fiber reinforced materials. 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

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	4.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7500	MPa	ISO 527-2
Tensile Stress	100	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	7200	MPa	ISO 178
Flexural Stress	155	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	40	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	55	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	135	°C	ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating (1.5 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant	100 - 120	°C	
Hot air dryer	100 - 120	°C	
Drying Time			
Dehumidification desiccant	4.0 - 12	hr	
Hot air dryer	3.0 - 4.0	hr	

Processing (Melt) Temp	270 - 310	°C
Mold Temperature	80 - 110	°C

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Recommended distributors for this material

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