

ALTECH® PC ECO 2010/121 GF10 IM UV

Polycarbonate

ALBIS PLASTIC GmbH

Message:

ALTECH®PC ECO 2010/121 GF10 IM UV is a polycarbonate (PC) product that contains 10% glass fiber reinforced materials. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALTECH®The application fields of PC ECO 2010/121 GF10 IM UV include automobile industry and housing.

Features include:

flame retardant/rated flame

Comply with REACH standard

ROHS certification

Impact modification

excellent release agent

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Additive	Impact modifier UV stabilizer		
Features	Impact modification Good demoulding performance		
Uses	Application in Automobile Field Automotive exterior parts 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/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	8.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	7.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3900	MPa	ISO 527-2
Tensile Stress	70.0	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	3800	MPa	ISO 178
Flexural Stress	130	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	8.0	kJ/m ²	ISO 179/1eA

-40°C	6.0	kJ/m ²	ISO 179/1eA
-20°C	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	60	kJ/m ²	ISO 179/1eU
-40°C	60	kJ/m ²	ISO 179/1eU
-20°C	65	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	140	°C	ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	HB		UL 94
Glow Wire Flammability Index (2.0 mm)	850	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature - Circulation Dryer	100	°C	
Drying Time - Circulation Dryer	4.0 - 24	hr	
Processing (Melt) Temp	280 - 300	°C	
Mold Temperature	80 - 120	°C	

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