

ALTECH® PC C 2010/121 GF10 IM UV

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALTECH® PC C 2010/121 GF10 IM UV is a Polycarbonate (PC) product filled with 10% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- Good Mold Release
- Impact Modified
- UV Stabilized

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Impact Modifier UV Stabilizer		
Features	Good Mold Release Impact Modified		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
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)	9.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3900	MPa	ISO 527-2
Tensile Stress	76.0	MPa	ISO 527-2
Flexural Modulus	3800	MPa	ISO 178
Flexural Stress	127	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	48	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	136	°C	ISO 75-2/A
Vicat Softening Temperature	144	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index (2.00 mm)	850	°C	IEC 60695-2-12

Injection	Nominal Value	Unit
Drying Temperature - Desiccant Dryer	120	°C
Drying Time - Desiccant Dryer	2.0 to 6.0	hr
Processing (Melt) Temp	280 to 300	°C
Mold Temperature	80.0 to 120	°C

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Recommended distributors for this material

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