

ALTECH® PC A 1000/120 UV

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALTECH®PC A 1000/120 UV is a polycarbonate (PC) product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Typical application areas are: lighting equipment.
Features include:
flame retardant/rated flame
Comply with REACH standard
ROHS certification
UV stability

General Information			
Additive	UV stabilizer		
Uses	Lighting Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	20	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	17.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2
Tensile Stress	65.0	MPa	ISO 527-2
Tensile Strain (Break)	120	%	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	14	kJ/m ²	ISO 179/1eA
-40°C	11	kJ/m ²	ISO 179/1eA
-20°C	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	No Break		ISO 179/1eU
-40°C	No Break		ISO 179/1eU
-20°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	128	°C	ISO 75-2/A
Vicat Softening Temperature	146	°C	ISO 306/B50
Flammability	Nominal Value		Test Method

Flame Rating (1.5 mm)	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature - Desiccant Dryer	100 - 120	°C
Drying Time - Desiccant Dryer	2.0 - 3.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	270 - 310	°C
Mold Temperature	80 - 110	°C

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