

ALTECH® PC ECO 1000/141 UV IM

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALTECH®PC ECO 1000/141 UV IM is a polycarbonate (PC) product. 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 1000/141 UV IM include electrical/electronic applications, housing, engineering/industrial accessories and lighting equipment.

- Features include:
- flame retardant/rated flame
 - Comply with REACH standard
 - ROHS certification
 - Flame Retardant
 - Impact modification

General Information			
Additive	Impact modifier		
	UV stabilizer		
	Flame retardancy		
Features	Impact modification		
	Good demoulding performance		
	Flame retardancy		
Uses	Lighting Applications		
	Plug		
	Electrical/Electronic Applications		
	Connector		
	Shell		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm³	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)	18.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress	60.0	MPa	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress	95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179/1eA
--	60	kJ/m ²	ISO 179/1eA
-40°C	13	kJ/m ²	ISO 179/1eA
-20°C	19	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)	120	°C	ISO 75-2/A
Vicat Softening Temperature	140	°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)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant	100 - 120	°C	
Hot air dryer	100 - 120	°C	
Drying Time			
Dehumidification desiccant	2.0 - 3.0	hr	
Hot air dryer	4.0 - 12	hr	
Processing (Melt) Temp	270 - 310	°C	
Mold Temperature	80 - 110	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT