

ALTECH® PC C 1000/141 FR IM

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALTECH® PC C 1000/141 FR IM is a Polycarbonate (PC) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALTECH® PC C 1000/141 FR IM include electrical/electronic applications, engineering/industrial parts and housings. Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Flame Retardant
- Good Mold Release

General Information			
Additive	Flame Retardant		
	Impact Modifier		
	UV Stabilizer		
Features	Flame Retardant		
	Good Mold Release		
	Impact Modified		
Uses	Connectors		
	Electrical/Electronic Applications		
	Engineering Parts		
	Housings		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	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)	18.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress	60.0	MPa	ISO 527-2
Tensile Strain (Break)	67	%	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	
-40°C	13	kJ/m ²	
-20°C	19	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	No Break		
-40°C	No Break		
-20°C	No Break		
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 (1.50 mm)	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	2.0 to 6.0	hr	
Processing (Melt) Temp	280 to 300	°C	
Mold Temperature	80.0 to 120	°C	

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