

ALTECH® PC C 2020/146 FR GF20

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALTECH® PC C 2020/146 FR GF20 is a Polycarbonate (PC) product filled with 20% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALTECH® PC C 2020/146 FR GF20 include electrical/electronic applications, caps/lids/closures, construction applications, engineering/industrial parts and housings.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- Flame Retardant
- Good Mold Release
- Impact Modified

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Flame Retardant		
	Impact Modifier		
Features	Flame Retardant		
	Good Mold Release		
	Impact Modified		
Uses	Caps		
	Connectors		
	Construction Applications		
	Electrical/Electronic Applications		
	Fittings		
	Housings		
	Lighting Applications		
	Reflectors		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	17.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	5200	MPa	ISO 178
Flexural Stress	125	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179/1eA
--	6.0	kJ/m ²	
-40°C	4.0	kJ/m ²	
-20°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	31	kJ/m ²	
-40°C	30	kJ/m ²	
-20°C	31	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	136	°C	ISO 75-2/A
Vicat Softening Temperature	143	°C	ISO 306/B50
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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