

ALCOM® PC 740/1.1 CF30

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALCOM® PC 740/1.1 CF30 is a Polycarbonate (PC) product filled with 30% carbon fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PC 740/1.1 CF30 include engineering/industrial parts and housings.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- Conductive
- High Stiffness

General Information			
UL YellowCard	E80168-588632		
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Features	Electrically Conductive		
	High Stiffness		
Uses	Housings		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	18800	MPa	ISO 527-2
Tensile Stress (Break)	165	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	16500	MPa	ISO 178
Flexural Stress	250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	45	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	144	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2	ohms	IEC 60093
Injection	Nominal Value	Unit	

Drying Temperature		
Circulation Dryer	100 to 120	°C
Desiccant Dryer	100 to 120	°C
Drying Time		
Circulation Dryer	4.0 to 12	hr
Desiccant Dryer	2.0 to 3.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	310 to 330	°C
Mold Temperature	80.0 to 130	°C

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Recommended distributors for this material

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