

ALCOM® PC 740/1.1 CF10 PTFE15

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALCOM® PC 740/1.1 CF10 PTFE15 is a Polycarbonate (PC) product filled with 10% carbon fiber. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PC 740/1.1 CF10 PTFE15 include engineering/industrial parts, automotive and housings. Characteristics include:
REACH Compliant
RoHS Compliant
Conductive
Lubricated
Wear Resistant

General Information			
Filler / Reinforcement	Carbon Fiber,10% Filler by Weight		
Additive	PTFE Lubricant (15%)		
Features	Electrically Conductive		
	Good Wear Resistance		
Uses	Automotive Applications		
	Bearings		
	Housings		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9200	MPa	ISO 527-2
Tensile Stress (Break)	108	MPa	ISO 527-2
Tensile Strain (Break)	1.7	%	ISO 527-2
Flexural Modulus	8150	MPa	ISO 178
Flexural Stress	154	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	29	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
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	100 to 120	°C	

Drying Time - 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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