

# ALCOM® PC 740/3162.1 CF10 GF10 TF10

Polycarbonate  
ALBIS PLASTIC GmbH

Message:

ALCOM® PC 740/3162.1 CF10 GF10 TF10 is a Polycarbonate (PC) product filled with 20% carbon fiber and 10% glass fiber. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PC 740/3162.1 CF10 GF10 TF10 include automotive, engineering/industrial parts and housings. Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Conductive
- High Stiffness

General Information			
Filler / Reinforcement	Carbon Fiber,20% Filler by Weight		
	Glass Fiber,10% Filler by Weight		
Additive	PTFE Lubricant		
Features	Electrically Conductive		
	Good Wear Resistance		
	High Stiffness		
Uses	Automotive Applications		
	Housings		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10700	MPa	ISO 527-2
Tensile Stress (Break)	120	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	10400	MPa	ISO 178
Flexural Stress	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	40	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	143	°C	ISO 75-2/A
Vicat Softening Temperature	149	°C	ISO 306/B50

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	3.0E+2	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-2		
3.00 mm	V-1		
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	
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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