

ALCOM® PC + ABS 750/8 UV CF

Polycarbonate + ABS

ALBIS PLASTIC GmbH

Message:

ALCOM® PC + ABS 750/8 UV CF is a Polycarbonate + ABS (PC+ABS) product filled with 8.0% carbon fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PC + ABS 750/8 UV CF include engineering/industrial parts and housings.

Characteristics include:

REACH Compliant

RoHS Compliant

Conductive

High Stiffness

UV Stabilized

General Information			
Filler / Reinforcement	Carbon Fiber,8.0% Filler by Weight		
Additive	UV Stabilizer		
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	1.15	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	10.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	128	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6400	MPa	ISO 527-2
Tensile Stress (Break)	85.0	MPa	ISO 527-2
Tensile Strain (Break)	2.1	%	ISO 527-2
Flexural Modulus	5500	MPa	ISO 178
Flexural Stress	128	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	28	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	124	°C	ISO 75-2/A

Vicat Softening Temperature	126	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature			
Circulation Dryer	100 to 110	°C	
Desiccant Dryer	100 to 110	°C	
Drying Time			
Circulation Dryer	4.0 to 8.0	hr	
Desiccant Dryer	2.0 to 4.0	hr	
Processing (Melt) Temp	220 to 280	°C	
Mold Temperature	70.0 to 100	°C	

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