

# ALCOM® ABS 530/3.1 CF

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

## Message:

ALCOM® ABS 530/3.1 CF is an Acrylonitrile Butadiene Styrene (ABS) product filled with carbon fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALCOM® ABS 530/3.1 CF include automotive, engineering/industrial parts and housings.

Characteristics include:

REACH Compliant

RoHS Compliant

Conductive

General Information			
Filler / Reinforcement	Carbon Fiber		
Features	Electrically Conductive		
Uses	Automotive Applications		
	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	1.08	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	12.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7000	MPa	ISO 527-2
Tensile Stress (Break)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	1.2	%	ISO 527-2
Flexural Modulus	6600	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	18	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	101	°C	ISO 75-2/A
Vicat Softening Temperature	102	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	50	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature			

Circulation Dryer	80.0	°C
Desiccant Dryer	80.0	°C
Drying Time		
Circulation Dryer	3.0 to 6.0	hr
Desiccant Dryer	2.0 to 4.0	hr
Processing (Melt) Temp	230 to 270	°C
Mold Temperature	60.0 to 90.0	°C

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#### Recommended distributors for this material

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