

# ALCOM® POM 770/1.1 CF10

Acetal (POM) Copolymer

ALBIS PLASTIC GmbH

## Message:

ALCOM® POM 770/1.1 CF10 is an Acetal (POM) Copolymer product filled with 10% carbon fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALCOM® POM 770/1.1 CF10 include engineering/industrial parts and automotive.

Characteristics include:

REACH Compliant

RoHS Compliant

Conductive

Copolymer

General Information			
Filler / Reinforcement	Carbon Fiber,10% Filler by Weight		
Features	Copolymer		
	Electrically Conductive		
Uses	Automotive Applications		
	Bearings		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8500	MPa	ISO 527-2
Tensile Strain (Break)	13	%	ISO 527-2
Flexural Modulus	7500	MPa	ISO 178
Flexural Stress	95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	80	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	145	°C	ISO 75-2/A
Vicat Softening Temperature	151	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+2	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	3.0 to 5.0	hr
Desiccant Dryer	2.0 to 3.0	hr
Processing (Melt) Temp	190 to 230	°C
Mold Temperature	60.0 to 120	°C

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#### Recommended distributors for this material

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