

ALCOM® PA66 910/1.1 CF10 PTFE10

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALCOM® PA66 910/1.1 CF10 PTFE10 is a Polyamide 66 (Nylon 66) 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® PA66 910/1.1 CF10 PTFE10 include engineering/industrial parts and automotive.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- Conductive
- Heat Stabilizer
- Lubricated

General Information				
Filler / Reinforcement		Carbon Fiber,10% Filler by Weight		
Additive		Heat Stabilizer		
		PTFE Lubricant (10%)		
Features		Electrically Conductive		
		Good Wear Resistance		
		Heat Stabilized		
		Lubricated		
Uses		Automotive Applications		
		Bearings		
		Machine/Mechanical Parts		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.24	--	g/cm ³	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8900	--	MPa	ISO 527-2
Tensile Stress (Break)	155	--	MPa	ISO 527-2
Tensile Strain (Break)	3.0	--	%	ISO 527-2
Flexural Modulus	7500	--	MPa	ISO 178
Flexural Stress	220	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	5.0	--	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength	35	--	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	240	--	°C	ISO 75-2/A
Vicat Softening Temperature	250	--	°C	ISO 306/B50
Melting Temperature	260	--	°C	DSC
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	< 8.0E+2	ohms	IEC 60093
Injection	Dry	Unit		
Drying Temperature - Desiccant Dryer	80.0		°C	
Drying Time - Desiccant Dryer	2.0 to 12		hr	
Processing (Melt) Temp	280 to 300		°C	
Mold Temperature	80.0 to 120		°C	

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