

ALCOM® PA66 910/1.1 CF40

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALCOM®PA66 910/1.1 CF40 is a polyamide 66 (nylon 66) product containing 40% carbon fiber reinforcement. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALCOM®The application fields of PA66 910/1.1 CF40 include engineering/industrial parts and automobile industry.

Features include:

- Comply with REACH standard
- ROHS certification
- Conductivity
- High stiffness
- heat stabilizer

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 40% filler by weight		
Additive	heat stabilizer		
Features	Conductivity		
	Rigidity, high		
	Thermal Stability		
Uses	Machine/mechanical parts		
	Application in Automobile Field		
	Bearing		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	27000	MPa	ISO 527-2
Tensile Stress (Break)	245	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	23000	MPa	ISO 178
Flexural Stress	360	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	55	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	260	°C	ISO 75-2/A
Vicat Softening Temperature	255	°C	ISO 306/B50

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 10	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	< 80	°C	
Drying Time - Desiccant Dryer	2.0 - 12	hr	
Processing (Melt) Temp	280 - 300	°C	
Mold Temperature	80 - 120	°C	

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Recommended distributors for this material

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