

ALCOM® PA66 910/1.1 CF20

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALCOM® PA66 910/1.1 CF20 is a Polyamide 66 (Nylon 66) product filled with 20% 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 CF20 include engineering/industrial parts and automotive.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- Conductive
- Heat Stabilizer
- High Stiffness

General Information				
Filler / Reinforcement		Carbon Fiber,20% Filler by Weight		
Additive		Heat Stabilizer		
Features		Electrically Conductive		
		Heat Stabilized		
		High Stiffness		
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	1.22	--	g/cm ³	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	14200	--	MPa	ISO 527-2
Tensile Stress (Break)	220	--	MPa	ISO 527-2
Tensile Strain (Break)	3.0	--	%	ISO 527-2
Flexural Modulus	13200	--	MPa	ISO 178
Flexural Stress	310	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	6.0	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	60	--	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	255	--	°C	ISO 75-2/A

Vicat Softening Temperature	255	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

