

Titacon® CF920

Acetal (POM) Copolymer

Titan Plastics Compounds Co., Ltd.

Message:

Titacon® CF920 is a polyoxymethylene (POM) copolymer material, and its filler is 20% carbon fiber reinforced material. This product is available in the Asia-Pacific region.

Titacon® The main features of CF920 are:

flame retardant/rated flame

High stiffness

high strength

Wear-resistant

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 20% filler by weight		
Features	Rigidity, high		
	High strength		
	Good wear resistance		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm ³	ISO 1183
Molding Shrinkage ¹ (3.00 mm)	0.20 - 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	140	MPa	ISO 527-2
Tensile Strain (Break)	> 2.0	%	ISO 527-2
Flexural Modulus	12000	MPa	ISO 178
Flexural Stress	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	163	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.0E+2	ohms	IEC 60093
Volume Resistivity	2.0E+2	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	170 - 200	°C	
Mold Temperature	60.0 - 100	°C	

Injection instructions

Injection Pressure: 30 to 70% Injection Velocity: 20 to 50%

NOTE

1. 50x70x3 mm

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