

Titalon® 1100CF

Polyamide 6

Titan Plastics Compounds Co., Ltd.

Message:

Titalon®1100CF is a polyamide 6 (nylon 6) material, which contains a 10% carbon fiber reinforced material. This product is available in the Asia-Pacific region. Titalon®The main characteristics of 1100CF are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 10% filler by weight		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Molding Shrinkage ¹ (3.00 mm)	0.40 - 1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	210	MPa	ISO 527-2
Tensile Strain (Break)	> 3.0	%	ISO 527-2
Flexural Modulus	6800	MPa	ISO 178
Flexural Stress	210	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	195	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5	ohms	IEC 60093
Volume Resistivity	1.0E+4	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 100	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	230 - 260	°C	
Mold Temperature	60.0 - 100	°C	
Injection instructions			
Injection Pressure: 30 to 70%Injection Velocity: 30 to 60%			
NOTE			
1.	50x70x3 mm		

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