

Titalon® 3200CF

Polyamide 12

Titan Plastics Compounds Co., Ltd.

Message:

Titalon®3200CF is a polyamide 12 (nylon 12) material, which contains a 20% carbon fiber reinforced material. This product is available in the Asia-Pacific region.

Titalon®The main features of 3200CF are:

flame retardant/rated flame

high strength

Wear-resistant

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 20% filler by weight		
Features	High strength		
	Good wear resistance		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Molding Shrinkage ¹ (3.00 mm)	0.30 - 0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	120	MPa	ISO 527-2
Tensile Strain (Break)	> 9.0	%	ISO 527-2
Flexural Modulus	5800	MPa	ISO 178
Flexural Stress	155	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	15	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	155	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3	ohms	IEC 60093
Volume Resistivity	1.0E+3	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	200 - 230	°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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Recommended distributors for this material

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