

Titalon® 5300CF

Polycarbonate

Titan Plastics Compounds Co., Ltd.

Message:

Titalon®5300CF is a polycarbonate (PC) material, which contains a 30% carbon fiber reinforced material. This product is available in the Asia-Pacific region.

Titalon®The main features of 5300CF are:

flame retardant/rated flame

Conductivity

High stiffness

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 30% filler by weight		
Features	Conductivity		
	Rigidity, high		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Molding Shrinkage ¹ (3.00 mm)	0.10 - 0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	160	MPa	ISO 527-2
Tensile Strain (Break)	> 2.0	%	ISO 527-2
Flexural Modulus	16000	MPa	ISO 178
Flexural Stress	240	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	160	°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	120 - 140	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	270 - 300	°C	
Mold Temperature	80.0 - 130	°C	
Injection instructions			
Injection Pressure: 30 to 70%Injection Velocity: 20 to 50%			

NOTE

1. 50x70x3 mm

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Recommended distributors for this material

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