Titalon® 1300CF

Polyamide 6

Titan Plastics Compounds Co., Ltd.

Message:

Titalon®1300CF is a polyamide 6 (nylon 6) material, which contains a 30% carbon fiber reinforced material. This product is available in the Asia-Pacific region.
Titalon®The main features of 1300CF are:
flame retardant/rated flame
high strength

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 30% filler by weight		
Features	High strength		
Appearance	Black		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.27	g/cm³	ISO 1183
Molding Shrinkage [1] (3.00 mm)	0.10 - 0.30	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress	230	MPa	ISO 527-2
Tensile Strain (Break)	> 3.0	%	ISO 527-2
Flexural Modulus	18000	MPa	ISO 178
Flexural Stress	350	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	20	kJ/m²	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	205	°C	ISO 75-2/A
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+3	ohms	IEC 60093
Volume Resistivity	1.0E+2	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		

Recommended distributors for this material

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