

Titalon® 1300TC

Polyamide 6

Titan Plastics Compounds Co., Ltd.

Message:

Titalon® 1300TC is a polyamide 6 (nylon 6) material, which contains a 30% mineral filler. This product is available in the Asia-Pacific region.

Titalon®The main features of 1300TC are:

flame retardant/rated flame

anti-warping

scratch resistance

General Information			
Filler / Reinforcement	Mineral filler, 30% filler by weight		
Features	Low warpage		
	Scratch resistance		
Appearance	Natural color		
Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
Molding Shrinkage ¹ (3.00 mm)	0.80 - 1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	55.0	MPa	ISO 527-2
Tensile Strain (Break)	> 10	%	ISO 527-2
Flexural Modulus	3700	MPa	ISO 178
Flexural Stress	220	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)	100	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+15	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			

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Recommended distributors for this material

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