

# Titalon® 1450GFT

Polyamide 6

Titan Plastics Compounds Co., Ltd.

## Message:

Titalon® 1450GFT is a polyamide 6 (nylon 6) material, which contains a 45% glass fiber reinforced material. This product is available in the Asia-Pacific region.

Titalon®The main features of 1450GFT are:

flame retardant/rated flame

high strength

Impact resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 45% filler by weight		
Features	High strength		
	Impact resistance, high		
Appearance	Natural color		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>1</sup> (3.00 mm)	0.20 - 0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	150	MPa	ISO 527-2
Tensile Strain (Break)	> 4.0	%	ISO 527-2
Flexural Modulus	10000	MPa	ISO 178
Flexural Stress	230	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	20	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	190	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+13	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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### Recommended distributors for this material

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