

# Titalon® 3315TF

Polyamide 12

Titan Plastics Compounds Co., Ltd.

## Message:

Titalon®3315TF is a polyamide 12 (nylon 12) material, which contains a 30% glass fiber reinforced material. This product is available in the Asia-Pacific region.

Titalon®The main features of 3315TF are:

flame retardant/rated flame

high strength

Wear-resistant

Lubrication

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	PTFE lubricant (15%)		
Features	High strength		
	Good wear resistance		
	Lubrication		
Appearance	Natural color		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>1</sup> (3.00 mm)	0.40 - 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	100	MPa	ISO 527-2
Tensile Strain (Break)	> 5.0	%	ISO 527-2
Flexural Modulus	4100	MPa	ISO 178
Flexural Stress	141	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)	175	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+14	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

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

