

Titalon® 3225AF

Polyamide 12

Titan Plastics Compounds Co., Ltd.

Message:

Titalon®3225AF is a polyamide 12 (nylon 12) material, which contains glass fiber reinforcement and aramid fiber. This product is available in the Asia-Pacific region.

Titalon®The main features of 3225AF are:

flame retardant/rated flame

Wear-resistant

Lubrication

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
	Aramid fiber		
Additive	PTFE lubricant		
Features	Good wear resistance		
	Lubrication		
Appearance	Natural color		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Molding Shrinkage ¹ (3.00 mm)	0.50 - 1.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	80.0	MPa	ISO 527-2
Tensile Strain (Break)	> 10	%	ISO 527-2
Flexural Modulus	3700	MPa	ISO 178
Flexural Stress	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	20	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+15	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	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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