

Titalon® 4115CF

Polyamide 46

Titan Plastics Compounds Co., Ltd.

Message:

Titalon®4115CF is a polyamide 46 (nylon 46) material that contains a carbon fiber reinforced material. This product is available in the Asia-Pacific region.

Titalon®The main features of 4115CF are:

- flame retardant/rated flame
- Wear-resistant
- Lubrication

General Information			
Filler / Reinforcement	Carbon fiber reinforced material		
Additive	PTFE lubricant		
Features	Good wear resistance		
	Lubrication		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Molding Shrinkage ¹ (3.00 mm)	0.60 - 1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	90.0	MPa	ISO 527-2
Tensile Strain (Break)	> 5.0	%	ISO 527-2
Flexural Modulus	6000	MPa	ISO 178
Flexural Stress	140	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)	220	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+10	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	290 - 320	°C	
Mold Temperature	80.0 - 120	°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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