

Titalon® 4182TFS

Polyamide 46

Titan Plastics Compounds Co., Ltd.

Message:

Titalon®4182TFS is a polyamide 46 (nylon 46) material. This product is available in the Asia-Pacific region.

Titalon®The main features of 4182TFS are:

flame retardant/rated flame

Lubrication

Wear-resistant

General Information			
Additive	PTFE lubricant (18%)		
	Silicone lubricant (2%)		
Features	Good wear resistance		
	Lubrication		
Appearance	Natural color		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Molding Shrinkage ¹ (3.00 mm)	0.10 - 1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	65.0	MPa	ISO 527-2
Tensile Strain (Break)	> 8.0	%	ISO 527-2
Flexural Modulus	3000	MPa	ISO 178
Flexural Stress	90.0	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)	160	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+12	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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