

Titalon 4182TFS

(PA46+PTFE+SI)

Titan Plastics Compounds Co., Ltd.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	65	MPa	ISO 527
Flexural modulus, 23°C	3000	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	160	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	1E12	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1270	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	4	h	-
Melt temperature	290 - 320	°C	-
Mold temperature	80 - 120	°C	-

Characteristics**Processing**

Injection Molding

Additives

Lubricants

Delivery form

Natural Color

Regional Availability

Asia Pacific