



## Titalon 4182TFS

RESIN : POLYAMIDE46 RESIN

PRODUCT DESCRIPTION : 18%PTFE FILLED,2% SILICONE FILLED, HIGH SLIDING, WEAR RESISTANCE

Properties	Unit	method	Value
Color	-	-	Natural
specific gravity	g/cm <sup>3</sup>	ISO 1183	1.27
Tensile strength	MPa	ISO	65
Tensile Elongation		527-1,2	>8
Flexural strength	MPa	ISO 178	90
Flexural modulus			3000
Charpy impact strength(notched)	kJ/m <sup>2</sup>	ISO	5
		179/1eA	
Heat Deflection Temperature (1.8MPa)	°C	ISO 75-1,2	160
Volume resistivity	Ω•cm	IEC 60093	1×10 <sup>12</sup>
Surface resistivity	Ω		1×10 <sup>12</sup>
Flammability		UL 94	HB
Mold shrinkage	%	50x70x3 mmt	0.1~1.5
MOLDING CONDITION	°C	Drying	100x 4Hrs
		Melt Temperature	290~320
		Mold Temperature	80~120
	%	Inject. Pressure	30~70
Inject. Velocity		30~60	

\*All property values shown in this data sheet are the representative values and not minimum value of this material.