

## Titalon 4150CF

RESIN : POLYAMIDE 46 RESIN, (PA46+CF15)

PRODUCT DESCRIPTION : PA 46 REINFORCED WITH 15% CARBON FIBER, HIGH STRENGTH, HIGH HEAT RESISTANCE, SUITABLE FOR GEAR OF OIL PUMP.

COLOR No.: VB01

Properties	Unit	method	Value
Color	-	-	Black
Density	g/cm <sup>3</sup>	ISO 1183	1.22
Tensile strength	MPa	ISO	190
Tensile Elongation		527-1,2	>2
Flexural strength	MPa	ISO 178	275
Flexural modulus			11000
Charpy impact strength(notched)	kJ/m <sup>2</sup>	ISO	6
		179/1eA	
Heat Deflection Temperature (1.8MPa)	°C	ISO 75-1,2	280
Volume resistivity	Ω•cm	IEC 60093	1×10 <sup>5</sup>
Surface resistivity	Ω		1×10 <sup>6</sup>
Flammability		UL 94	HB
Mold shrinkage	%	50x80x3 mmt	0.4~1.0
MOLDING CONDITION			
MOLDING CONDITION	°C	Drying	110x 4Hrs
		Melt Temperature	280~320
		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.