



## Titalon 5100CF

RESIN : POLYCARBONATE RESIN

PRODUCT DESCRIPTION : 10% CARBON FIBER REINFORCED, HIGH STIFFNESS,  
CONDUCTIVE.

Properties	Unit	method	Value
<b>Color</b>	-	-	Black
specific gravity	g/cm <sup>3</sup>	ISO 1183	1.24
Tensile strength	MPa	ISO	125
Tensile Elongation		527-1,2	>3
Flexural strength	MPa	ISO 178	180
Flexural modulus			9800
Charpy impact strength(notched)	kJ/m <sup>2</sup>	ISO	11
		179/1eA	
Heat Deflection Temperature(1.8MPa)	°C	ISO 75-1,2	135
Volume resistivity	Ω•cm	IEC 60093	1×10 <sup>4~6</sup>
Surface resistivity	Ω		1×10 <sup>4~6</sup>
Flammability		UL 94	HB
Mold shrinkage	%	50x70x3 mmt	0.2~0.6
<b>MOLDING CONDITION</b>	°C	Drying	120~140x 4Hrs
		Melt Temp.	270~300
		Mold Temp.	80~130
	%	Inject. Press.	30~70
		Inject. Velocity	20~50

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