

Titalon 5100NC

RESIN : POLYCARBONATE

PRODUCT DESCRIPTION : PC FILLED WITH CARBON NANOTUBE, ELECTRICAL
CONDUCTIVE.

COLOR No.: VB01

Properties	Unit	method	Value
Color	-	-	Black
Density	g/cm ³	ISO 1183	1.2
Tensile strength	MPa	ISO	65
Tensile Elongation		527-1,2	20
Flexural strength	MPa	ISO 178	105
Flexural modulus			2800
Charpy impact strength(notched)	kJ/m ²	ISO 179/1eA	15
Heat Deflection Temperature (1.8MPa)	°C	ISO 75-1,2	130
Volume resistivity	Ω•cm	IEC 60093	1×10 ^{4~6}
Surface resistivity	Ω		1×10 ^{4~6}
Flammability	Class	UL 94	V2
Mold shrinkage	%	50x80x3 mmt	0.4~0.5
Melting Flow Rate (300°Cx 2.16kg)	g/10min.	ISO1133	1
MOLDING CONDITION	°C	Drying	110x 4Hrs
		Melt Temperature	270~290
		Mold Temperature	80~120
	%	Inject. Pressure	40~70
Inject. Velocity		20~60	

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