



Titalon 5150NGF

RESIN : POLYCARBONATE (PC-CNT+GF)

PRODUCT DESCRIPTION : 15% GLASS FIBER AND NANO CARBON TUBE (CNT).

COLOR No.: VB01

Properties	Unit	method	Value
Color	-	-	Black
Density	g/cm ³	ISO 1183	1.31
Tensile strength	MPa	ISO	100
Tensile Elongation		527-1,2	3
Flexural strength	MPa	ISO 178	150
Flexural modulus			5000
Charpy impact strength(notched)	kJ/m ²	ISO	8
		179/1eA	
Heat Deflection Temperature (1.8MPa)	°C	ISO 75-1,2	140
Volume resistivity	Ω•cm	IEC 60093	1×10 ^{6~9}
Surface resistivity	Ω		1×10 ^{6~9}
Flammability	Class	UL 94	V2
Mold shrinkage	%	50x80x3 mmt	0.3~0.5
MOLDING CONDITION	°C	Drying	110x 4Hrs
		Melt Temperature	270~300
		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.