



# Titalon 4200GF

RESIN : POLYAMIDE46 RESIN

PRODUCT DESCRIPTION : 20%CARBON FIBER REINFORCED

Properties	Unit	method	Value
Color	-	-	Natural
specific gravity	g/cm <sup>3</sup>	ISO 1183	1.33
Tensile strength	MPa	ISO	165
Tensile Elongation		527-1,2	>3.50
Flexural strength	MPa	ISO 178	245
Flexural modulus			8000
Charpy impact strength(notched)	kJ/m <sup>2</sup>	ISO 179/1eA	11
Heat Deflection Temperature (1.8MPa)	°C	ISO 75-1,2	250
Volume resistivity	Ω•cm	IEC 60093	1×10 <sup>13</sup>
Surface resistivity	Ω		1×10 <sup>13</sup>
Flammability		UL 94	HB
Mold shrinkage	%	50x70x3 mmt	0.3~0.8
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.

