

## Titalon 1000FR

RESIN : POLYAMIDE 6 RESIN

PRODUCT DESCRIPTION : FLAME RETARDANT GRADE, FREE HALOGEN.

Color No.: VN01/VB01

Properties	Unit	method	Value
Color	-	-	Natural/Black
Density	g/cm <sup>3</sup>	ISO 1183	1.17
Tensile strength	MPa	ISO	60
Tensile Elongation		527-1,2	>10
Flexural strength	MPa	ISO 178	82
Flexural modulus			2500
Charpy impact strength(notched)	kJ/m <sup>2</sup>	ISO	6
		179/1eA	
Heat Deflection Temperature (1.8MPa)	°C	ISO 75-1,2	75
Volume resistivity	Ω•cm	IEC 60093	1×10 <sup>13</sup>
Surface resistivity	Ω		1×10 <sup>13</sup>
Flammability (1.5mm)	Class	UL 94	V0
Hardness	D	ISO7619	80
Mold shrinkage	%	50x80x3 mmt	1.3~1.5
MOLDING CONDITION	°C	Drying	100x 4Hrs
		Melt Temperature	220~250
		Mold Temperature	60~100
	%	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.