FT-4000

Acicular Type Electro-conductive Titanium Dioxide

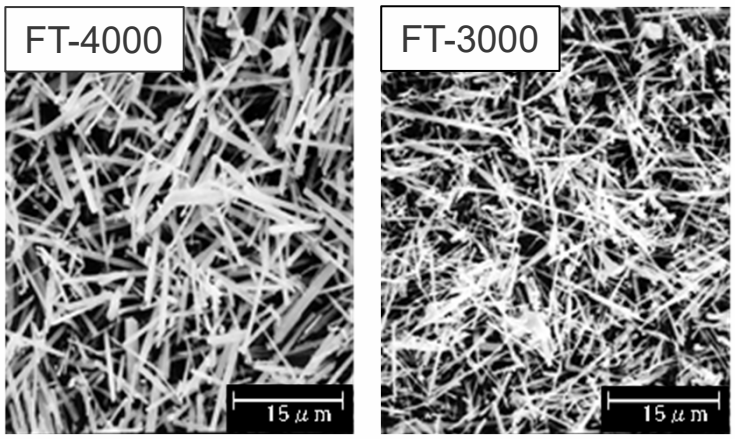
FT-4000 is columnar shape rutile type titanium dioxide with length about 10 μm, and its surface is coated with SnO_2/Sb thin layer. Because of its characteristic large columnar size, FT-4000 can be used in lesser amounts to obtain necessary electro conductivity compared to acicular type electroconductive titanium dioxide such as FT-3000.

Basic Properties

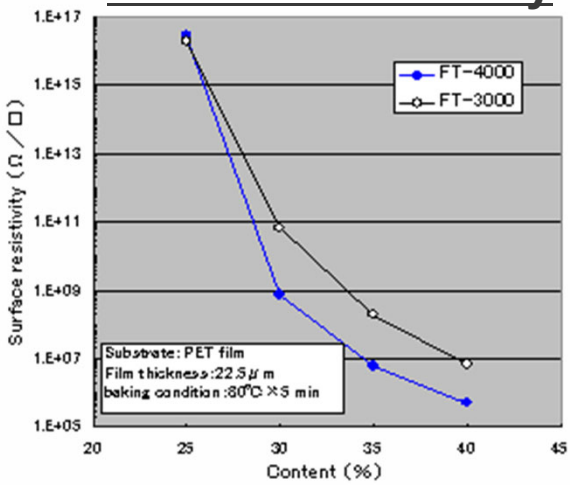
	FT-4000	FT-3000
Composition	**TiO_2, Sb doped SnO_2**	TiO_2, Sb doped SnO_2
Crystal Form of Base TiO_2	**Rutile**	Rutile
Particle Size(μm)[1]	**D:0.51, L:9.72**	D:0.42, L:5.04
Powder Resistivity(Ω·cm)[2]	**2～20**	10～60
Specific Surface Area(m^2/g)	**5～9**	4～8
Oil Absorption(g/100g)	**35～55**	50～70
Color in Linseed Oil , L value	**72～78**	82～86

1) Weight mean diameter, D : Diameter, L : Length
2) 9.8MPa compressed powder

SEM image



Surface Electroconductivity



Surface resistivity in chlorinated polypropylene resin

ISK Local Insight, Global Impact

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