FT-3000

Acicular Type Electro-conductive Titanium Dioxide

FT-3000 is an acicular shape rutile type titanium dioxide and its surface is coated with SnO_2/Sb thin layer. Because of its characteristic acicular shape, FT-3000 can be used in lesser amounts to obtain necessary electro-conductivity compared to spherical electro-conductive materials.
FT-3000 can be easily pigmented to various colors due to the whiteness of FT-3000.

Basic Properties

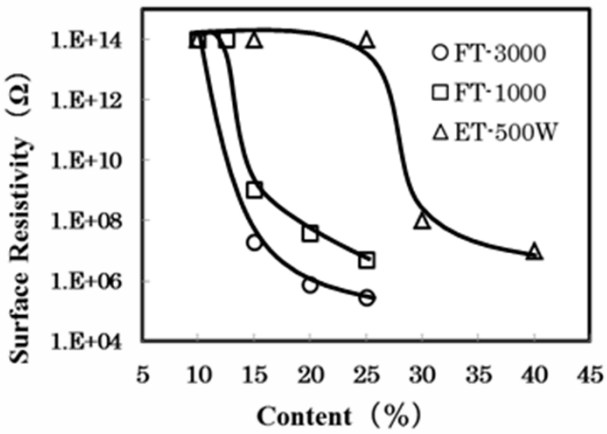
	FT3000
Composition	TiO_2, Sb doped SnO_2
Crystal Form of Base TiO_2	Rutile
Particle Size(μm)[1)]	D:0.27, L:5.15
Powder Resistivity(Ω·cm)[2)]	10～60
Specific Surface Area(m^2/g)[3)]	2～8
Oil Absorption(g/100g)	50～70
Color in Linseed Oil , L value	82～86

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

TEM image



Surface Resistivity



Surface Resistivity of Air-Drying Acrylic Resin

ISK Local Insight, Global Impact

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