



## FLUORINE DOPED TIN OXIDE POWDER

DATA SHEET - 054 Issue 2, Effective Date: 23/04/2008

Synonyms: Conductive tin compound, FTO.

	C.A.S. No:	EINECS No:
Tin (IV) Oxide:	18282-10-5	242-159-0
Tin (IV) fluoride:	7783-62-2	232-016-0

Description: Fluorine doped tin oxide is a mixed metal oxide powder designed as an alternative conductive filler to carbon black and metal powders. It allows paints and coatings to be formulated in white or pale colours with anti-static or static-dissipative properties.

Physical state: Inert off white powder, comprising aggregates of spherical primary particles. Non-flammable.

### TYPICAL PHYSICAL PROPERTIES:

Powder Resistivity:	< 5 ohm.cm
Particle size (D50 value):	0.4 - 0.6 microns
Surface area (BET):	6 - 10 m <sup>2</sup> g <sup>-1</sup>
Specific Gravity:	6.9
Tap density:	1500 g l <sup>-1</sup>

All information is given in good faith but without warranty.  
This Data Sheet supersedes and replaces all previous issues.