



**FLUORINE DOPED
TIN OXIDE POWDER**

DATA SHEET – 054

Issue 1, Effective Date: 02/09/2004

Synonyms: Conductive tin compound, FTO.

	C.A.S. No:	EINECS No:
Tin 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 m² g⁻¹

Specific Gravity: 6.9

Tap density: 1500 g l⁻¹

Keeling & Walker Limited reserve the right to make improvements to this product without prior notification. All information is given in good faith but without warranty.

Keeling & Walker Test Methods are available for all the above determinations.

Keeling & Walker Fluorine doped tin oxide powder is manufactured under a Quality Assurance System certified to comply with ISO 9000.