



## STANOSTAT CPM375

DATA SHEET – 017 Issue 10, Effective Date: 23/04/2008

Chemical Name: Conductive tin compound, tin antimony grey cassiterite  
C.A.S. No: [68187-54-2] EINECS No: 2691059

Description: CPM375 is an antimony-doped tin oxide designed as a conductive filler which may be milled to nano-particulate size for use in transparent coatings with anti-static or static-dissipative properties

Physical state: Supplied as a blue-grey powder. Non-flammable

### TYPICAL PHYSICAL PROPERTIES:

Powder Resistivity:	0.5 ohm.cm
Primary particle size (TEM):	30 nanometres
Particle Size (Malvern Mastersizer):	D10%: 0.7 microns
	D50%: 1.3 microns
	D90%: 2.4 microns
Surface area (BET):	30 m <sup>2</sup> g <sup>-1</sup>
Specific Gravity:	6.7

### CHEMICAL PROPERTIES

Antimony trioxide (Sb <sub>2</sub> O <sub>3</sub> ):	6.45 +/- 0.5 w/w %
Aluminium oxide (Al <sub>2</sub> O <sub>3</sub> ):	0.4 w/w % maximum

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

Keeling & Walker products are manufactured under the ISO 9001 Quality Management System and the ISO 14001 Environmental Management System