



Product Name: Tin Oxide

Product Number : P3361

Chemical Name: Stannic Oxide Tin (1V) SnO_2

C.A.S No: 18282-10-5

EINECS No: 2421590

Description: Stannic Oxide is produced thermally from high grade tin metal.

Physical state: Inert white powder, comprising aggregates of spherical primary powder.

Typical properties.

Specific gravity: 6.95

Particle Size: D10%: 0.1 μ
(Malvern Mastersizer) D50%: 0.8 μ
D90%: 2.4 μ

Primary Particle Size: 0.3 μ

Surface Area (BET): 9m²/g.

Bulk Density: 600g/l.

Chemical Data:

Stannic Oxide: 99.5% SnO_2

Pb & Sb: each typically <0.03%

Fe, Bi, Cu & As: each typically <0.02%

Co, Ni, Ag, Cd, Mg, Mn, & Zn: each typically <0.001%

Total of impurities listed: 0.15%

Uses:

Primarily used as a white opacifier in glazes. Additions of 4-6% produce semi opaque glazes, whilst 8-10% additions produce fully opaque glaze.