



Product Data Sheet

ANTIMONY TRIOXIDE

Antimony trioxide (ATO) is used in a wide variety of industrial applications, as a “synergist” with flame retardant chemicals, as a catalyst in the manufacture of polyester (PET), as a clarifying aid in glasses, additive in semi-conductors, as a coating used on certain grades of titanium dioxide pigments, as a component in the manufacturing of complex inorganic colored rutile pigments and, as an opacifier in cast iron bath and sinking enameling.

	Typical Content (%)
Sb₂O₃	99,50 min.
As	0,060 max.
Pb	0,100 max.
Fe	0,015 max.
Cu	0,010 max.

Whiteness	> 96 %
Apparent density	0,5 - 1 g/cm ³
Humidity	< 0,1 %
Absolute density	5,6 g/cm ³
Average particle size	1,2 ± 0,3 μm
Sieve residue (325 mesh):	< 0,01 %

Other Characteristics:

Appearance:	White powder Chemical Name:
Molecular weight: 291,518 g/mol	291,518 g/mol
Melting point:	656 °C
Boiling point:	1.425 °C
CAS N°:	1309-64-4
EINECS N°:	215-175-0

Packaging

25 Kg net in bags on palets of 1.000 kgs.

1.000 Kg big bag on palets.

(Dampened product can NOT be packed in big bags)

ANTIMONY TRIOXIDE (Dampened)

Wetted qualities on plasticisers, typically 4% DIDP are available.