

BOGIFLAM ATO

ANTIMONY TRIOXIDE FLAME-RETARDANT SYNERGIST

PRODUCT IDENTIFICATION

Chemical Name: Antimony Trioxide
Physical Form: White Powder
CAS Number: 1309-64-4

BOGIFLAM ATO is a high-quality, performance grade of antimony trioxide used as a flame-retardant synergist and is also suitable for other applications.

SPECIFICATION

Properties	Test Methods	Units	Values
Density (25°C)	ASTM D 792	g/cm ³	5.4 ± 0.02
Melting Point	ASTM D127-08	°C	655
Boiling Point	ASTM D7169-11	mmHg	1425
Vapour Density	ASTM D5191	-	10
Water Solubility	ASTM E1148-02	-	Slight
Sb ₂ O ₃	-	%	Min. 99.80
Pb	-	%	Max. 0.074
As	-	%	Max. 0.045
Fe	-	%	Max. 0.005
Cu	-	%	Max. 0.003
Whiteness	-	-	96

APPLICATIONS

- BOGIFLAM 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 glass; as an additive in semiconductors; as a coating used on certain grades of titanium dioxide pigments; as a component in the manufacture of complex inorganic coloured rutile pigments; and as an opacifier in cast-iron bath and sinking enamelling.
- Flame-retardant resin applications include ABS, HIPS, PP, EVA, EPDM, PVC, rubber and many other polymers.

PACKAGING & STORAGE

- **Packaging:** 1 pallet: 1,000 kg.
- BOGIFLAM ATO should be stored away from direct sunlight and heat (T < 30°C). The product should be used within 6 months of its production date.

IMPORTANT NOTICE

Please read the Material Safety Data Sheet (MSDS) carefully before using this product.