



Technical Information

PYROBLOC SAP-2

Flame Retardant Synergist

Pyrobloc® SAP2 is an inorganic antimony compound which provides good flame retardant properties in combination with low opacity and tinting strength in polymer applications. **Pyrobloc® SAP2** also has a very low reactivity. This is a major advantage in sensitive polymers such as PET where conventional antimony trioxide flame retardants can promote depolymerization during processing.

Sodium Antimonate Synergist

CAS Reg. [15432-85-6]

Typical Properties

Appearance	White Powder
Specific Gravity @ 25 °C, g/ml	4.8
Fines thru 325 Mesh Sieve	99.99
Average Particle Size, microns	2

Typical Composition

Antimony (Sb)	60 % Min
Trivalent Antimony (Sb ³⁺)	1.0 % Max.
Lead (Pb)	0.05% Max
Arsenic (As)	0.1% Max
Iron (Fe)	0.005% Max
Copper (Cu)	0.005% Max
Nickel (Ni)	0.005% Max
Sodium Hydroxide (Free)	0.1% Max

Pyrobloc® SAP2 is recommended as an antimony synergist when any combination of low reactivity, excellent physical properties, low opacity or low tint strength is required. The primary polymer applications are thermoplastic polyester resins and other engineering thermoplastics.

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless stated, proper storage will permit usage of the product for 6 to 12 months from the date of receipt. For additional handling and toxicological information, consult the GLCC Material Safety Data Sheet.

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