



Technical Information

PYROBLOC® SAP-5 **Flame Retardant Synergist**

Pyrobloc® SAP5 is an inorganic antimony compound which provides good flame retardant properties in combination with very low opacity and tinting strength in polymer applications. **Pyrobloc® SAP5** 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	99.9
Average Particle Size, microns	5

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® SAP5 is recommended when an antimony synergist is required in either translucent or intense color applications in vinyl and virtually all other polymer systems including saturated polyesters. In these applications this product imparts very low opacity and tinting due to the combination of its low refractive index and relatively high particle size.

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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