

## C-TEC™ ANTIMONY OXIDE

## CT-AO

### Typical Chemical Properties

Formula	Sb <sub>2</sub> O <sub>3</sub>
Antimony Trioxide	99.8%
Lead	0.08% max
Iron	0.004% max
Arsenic	0.06% max

C-TEC™ CT-AO antimony oxide (trioxide) is a high purity white, odorless, crystalline powder. Insoluble in water, it is soluble in concentrated hydrochloric and sulfuric acids, and strong alkalis.

### Typical Physical Properties

Average Particle Size (microns)	0.8 - 1.3
Specific Gravity	5.5
+325 mesh	0.05% max

**APPLICATIONS:** Flame Retardant Synergist - Antimony oxide in combination with a halogen source constitutes an extremely effective flame retardant for use in a broad range of polymers.

Chlorine or bromine are the halogens most often employed, and may be present in the polymer chain. Such is the case with polyvinyl chloride or brominated resins. Otherwise a halogen-containing compound is simply added to the system.

Antimony oxide has minimal effect on the physical and chemical properties of most polymers. For this reason, and for its superior flame retardant synergism, antimony is the inorganic additive of choice for most applications.

**HEALTH AND SAFETY:** Refer to the Material Safety Data Sheet

**PACKAGING:** 25 kg (55 lb) bags; pallet weight 1000 kg (2,200 lbs.) or 50 lb. bags; pallet weight 2000 lbs.

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