

FLAME DEFENSE SERIES

FDAO

Typical Physical Properties

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

FDAO antimony 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 Chemical Properties

Formula	Sb_2O_3
Antimony Trioxide	99.8%
Lead	0.08% max
Iron	0.004% max
Arsenic	0.06% max

APPLICATIONS: Flame Retardant Synergist - Antimony Trioxide 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 Trioxide has minimal effect on the physical and chemical properties of most polymers. For this reason, and for its superior flame retardant synergism, Antimony Trioxide is the inorganic additive of choice for most applications.

HEALTH AND SAFETY: Refer to the Safety Data Sheet

PACKAGING: Bulk bag weight 1000 kg (2,200 lbs.) or 50 lb bags; pallet weight 2500 lbs.

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