

## TECHNICAL DATA SHEET / SPECIFICATIONS

**BRIEF DESCRIPTION:**

Antimony Trioxide powder 99.5% is used as a co-synergist with halogenated flame retardants to enhance their effectiveness. It is used as flame retardant synergist in PVC wire and cable, in plastics, rubber, textiles, adhesives etc.

**TYPICAL PROPERTIES:**

PARAMETER	TEST METHOD	SPECIFICATIONS
<b><u>CHEMICAL</u></b>		
➤ Total content of Antimony oxide	Calculated	99.50 % min.
➤ Lead (Pb)	A.A.S	0.11 % max.
➤ Arsenic (As)	A.A.S	0.12 % max.
➤ Iron (Fe)	A.A.S	0.01 % max.
<b><u>PHYSICAL</u></b>		
➤ Average particle size	Fisher sub sieve	1.1 Micron max.
➤ Bulk density	Measuring cup	0.3 - 1.0 gyms/cc
➤ Sieve Refusal	ISO 787-7	0.10 % max.
➤ (ASTM 325 mesh)		
<b><u>COLOR</u></b>		
➤ **L value	Hunter scale	92.0 min.
➤ *b value	Hunter scale	2.2 max.

\*\* If L value is 94.0 and above, then b value will be up to 2.60.

The information contained in this data sheet has been determined through the application of accepted engineering practice and is believed to be reliable. Since the conditions of application and use of our products are beyond our control, no warranty is expressed or implied regarding accuracy of the information, the results to be obtained from the use of the product, or that such use will not infringe on any patent. This information is furnished with the express condition that you will make your own test.

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# RawSource Inc

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\* Similarly, if b value is < 1.50, then L value will be up to 90.0.

### USAGE/APPLICATIONS:

Excellent flame retardant for plastics and rubber, laminates, insulation, paints & varnishes, paper and textiles, in combination with a halogen source Opacifying agent for enamels and ceramic pigments, paints and printing inks. Its fine particle size gives a good reactivity in the preparation of antimony-based pigments.

### PACKING:

Standard packing - 25 kg HDPE Laminated Paper bags, 1MT PP Jumbo bags

We can also supply in special packing as per customer's requirement.

### STORAGE & HANDLING:

Store in a clean and cool dry place with proper name, weight, and trade mark and batch number.

### PRODUCT SAFETY INFORMATION:

The usual precautions for handling chemicals should be observed. For further details, please refer to Material Safety Data Sheet.

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