



PRODUCT

Antimony Trioxide [Powder]

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Antimony Trioxide is widely used as flame retardant synergist for various plastics.

Flammability standard for industrial and consumer products such as plastics, rubber, textile, etc. becomes stringent yearly. Along with the tightening, flame retarding of new material and expansion of the application needs for flame retardants are sophisticated and diversified. We line up four grades of antimony trioxides depend on the production and finishing sites.



Hsikwangshang Twinkling Star



Antimony ore

1. AT3 is finished at Moriya plant and its quality management is highly reputed.
2. AT-3^{CN} is co-developed product with Hsikwangshang Twinkling Star in Hunan, China, worldwide antimony marketer. They produce AT-3^{CN} based on our processing technology and quality management system. We guarantee the stable quality as well as AT3.
3. AT-3TL is product finished in Thailand. Raw material antimony ore is mined in Myanmar. We market it as non-China product. We control less than 500ppm each of lead (Pb) and arsenic (As) as impurity and it has higher whiteness.
4. AT-3LT has bigger particle size and gives high transparency. AT-3LT is mainly used for high gloss ABS and PVC pigment.



AT-3^{CN}



PRODUCT

Antimony Trioxide [Powder]

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SPECIFICATION

Chemical Name	Antimony Trioxide
Chemical Formula	Sb ₂ O ₃
Molecular Weight	291.5
Specific Gravity	5.2

CHEMICAL REGISTRATION No.

METI No.	1-543
CAS No.	1309-64-4
EINECS	215-175-0

PACKAGE

25kg net paper bag
500kg, 1,000kg net big bag

General Grade AT3 AT-3^{CN} Quality Specification

Item	Unit	Specification	Typical
Sb ₂ O ₃	%	≥99.5	99.7
Pb	%	≤0.1	0.07
As	%	≤0.1	0.03
Whiteness	%	≥95.0	98.5
Average Particle Size	μm	1.0 ~ 2.0	1.4
325 mesh on	%	≤0.02	0.002

AT-3TL (Made in Thailand) Quality Specification

Item	Unit	Specification	Typical
Sb ₂ O ₃	%	≥ 99.5	99.7
Pb	%	≤ 0.05	0.03
As	%	≤ 0.05	0.03
Whiteness	%	≥ 97.0	99.5
Average Particle Size	μm	0.7 ~ 1.7	1.4
325 mesh on	%	≤ 0.02	0.002



PRODUCT

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Large particle grade AT-3LT Quality Specification

Item	Unit	Specification	Typical
Sb ₂ O ₃	%	≥ 99.0	99.8
Pb	%	≤ 0.04	0.02
As	%	≤ 0.1	0.05
Whiteness	%	≥ 93.0	96.5
Average Particle Size	μm	≤ 4.0	3.6
325 mesh on	%	≤ 0.02	0.002