



antimony trioxide flame retardant grade

AMSPEC KR

Typical Chemical Composition

Minimum Total Sb ₂ O ₃ (%)	99.5
Maximum Impurity Levels	
Arsenic, As (%)	0.10
Lead, Pb (%)	0.10
Selenium, Se (ppm)	30
Iron, Fe (ppm)	60

Typical Chemical Properties

Specific Gravity	5.2 – 5.7
Average Particle Size (m)	0.9 – 1.3
Color	
Minimum L value	90.0
Minimum a value	-1.5
Maximum b value	4.0
325 Mesh (%)	0.1

Description

Amspec KR is a grade of antimony trioxide appropriate for use as a flame retardant synergist used in combination with a source of halogen. Many materials utilize its flame retardant properties including plastics, rubber, paints, paper, textiles and electronics. Antimony trioxide is appropriate for use in PP, PE, EPDM, PVC, HIPS, ABS, polyurethanes, phenolics, epoxies, and many others.

Other applications of antimony trioxide include a clarifying agent for glass, an opacifier for porcelain and enamel, and a white pigment.

For any handling and storage questions please see the Amspec Material Safety Datasheet for this product.

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The information contained in this publication gives typical analysis based on historical production performance. The user assumes all risk because the conditions of use are beyond Amspec Chemical Corporation's control. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering a material or its use. Consult any relevant material safety datasheets before handling this product.