

BRIGHTSUN[®] HB is a high quality, performance grade of antimony trioxide used as a flame retardant synergist and is also suitable for other applications.

CHARACTERISTICS	VALUE	CHARACTERISTICS	VALUE
Sb ₂ O ₃ , %	99.6 min	Lead – Pb, %	0.08 max
Arsenic – As, %	0.08 max	Cadmium – Cd, %	0.002 max
Copper – Cu, %	0.002 max	Chromium – Cr, %	0.002 max
Iron – Fe, %	0.002 max	Mercury – Hg, %	0.001 max
Melting Point	656°C, 1213°F	Specific Gravity, g/cm ³	5.3
Bulk Density lbs/ft ³ (approx.)	50 – 60	BET surface area, m ² /g	1.5 – 4.0
Moisture, %	0.05 max	Color_L*(Hunter)	98.2 min
325mesh residues, %	0.02 max	Average Particle Size, microns	0.8 – 1.4

APPLICATIONS

BRIGHTSUN[®] HB antimony trioxide is a highly effective flame retardant synergist used in conjunction with organohalogen flame retardants or halogen containing resins. Applications for flame retardant resins include ABS, HIPS, PP, PE, EVA, EPDM, PBT, PVC, Epoxies, Polyurethanes, Phenolics, Rubber and many other polymers. Other applications are paints, coatings, textile treatments, glass, ceramics, inorganic pigments, chemical manufacturing, petroleum refining, electronics and solid lubricants. Please contact our Customer Service Department for specific recommendations.

PACKAGING

25kg multi-layer paper bags, polyethylene bags, super sacks (500 and 1000kg). Packages are on skids with stretch wrap. Custom packaging is available upon request.

HEALTH AND SAFETY

Material Safety Data Sheets (MSDS's) available upon request.