

BRIGHTSUN[®] UF is a submicron, high 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.)	30 - 35	BET surface area, m ² /g	7.0-15.0
Moisture,%	0.05 max	Color_L*(Hunter)	98.5 min
325mesh residues,%	0.02 max	Average Particle Size, microns	0.2 - 0.5

APPLICATIONS

The fine particle size of **BRIGHTSUN[®] UF** offers minimum loss of physical properties in flame retardant thermoplastics such as ABS, high-impact polystyrene (HIPS) and PBT. It is highly effective in liquid systems such as unsaturated polyester, Epoxies, Polyurethanes, Phenolics, flame retardant coating and textile treatments. The tinting strength is slightly greater than **BRIGHTSUN[®] HB**. 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.