



DATA SHEET
BurnEx® 30-107

NYACOL® Colloidal Antimony Oxide Flame Retardant Powder

BurnEx® 30-107

SUMMARY

Function: BurnEx 30-107 has been developed as a flame retardant synergist for polyvinyl chloride and other materials employing halogens as the primary flame retardant. It has excellent heat stability when used with Ba/Zn-type stabilizers.

Color pigment loading can often be reduced by 50% when antimony trioxide is replaced by an equal weight of BurnEx 30-107. The brilliance of fluorescent colors is easily maintained and translucency retained. In pastel shades, the use of titanium dioxide as a white pigment together with BurnEx 30-107 for flame retardancy is preferable for reproducible color matching.

Form: BurnEx 30-107 is manufactured by spray-drying colloidal antimony oxide from a water dispersion of 0.03 micron particles. The spray-dried powder is composed of agglomerated particles in the range of 10 to 40 microns. BurnEx 30-107 is a free-flowing powder that does not require grinding to eliminate white specks.

Advantages: BurnEx 30-107 provides the following advantages over antimony trioxide:

- Will not tint the product.
- Reduces color pigment loading by 50%.
- Maintains brilliant fluorescent colors.
- Retains translucency.

PROPERTIES

Total Antimony expressed as Antimony Pentoxide (Sb ₂ O ₅), % by weight::	90
pH:	7
Form:	Off-white powder

FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

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