



DATA SHEET  
NYACOL® BurnEx® 6220

## Colloidal Antimony Oxide Flame Retardant Powder

### BurnEx® 6220

#### SUMMARY

**FUNCTION:** NYACOL BurnEx 6220 was developed as a flame retardant synergist for ABS, polyolefins and other materials employing halogens as the primary flame retardant.

Color pigment loading can often be reduced by 50% when antimony trioxide is replaced by an equal weight of BurnEx 6220. The brilliance of fluorescent colors is easily maintained and translucency is retained.

In pastel shades the use of titanium dioxide as a white pigment together with BurnEx 6220 for flame retardancy is preferable for reproducible color matching.

**FORM:** BurnEx 6220 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 0.5 to 2 microns. BurnEx 6220 is a free-flowing powder that does not require grinding to eliminate white specks.

**ADVANTAGES:** BurnEx 6220 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

Form:	Off-white powder
Total antimony as Sb <sub>2</sub> O <sub>5</sub> , %:	90
pH:	7

#### FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

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