

NYACOL[®] Colloidal Antimony Oxide Flame Retardant Powder

NYACOL 30-107

SUMMARY

Function: NYACOL 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 NYACOL 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 NYACOL 30-107 for flame retardancy is preferable for reproducible color matching.

Form: NYACOL 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. NYACOL 30-107 is a free-flowing powder that does not require grinding to eliminate white specks.

Advantages: NYACOL 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

PRODUCT

Properties:

Form	Off-White Powder
% Sb ₂ O ₅	70
% Sb ₂ O ₃	20
pH	7

For Additional Information or To Place an Order Contact:

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