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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Antimony</td>
<td>90% by weight</td>
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<tr>
<td>Antimony Pentoxide</td>
<td></td>
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<tr>
<td>pH</td>
<td>7</td>
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<tr>
<td>Form</td>
<td>Off-white powder</td>
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</tbody>
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FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

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