Technical Data Sheet
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SAYTEX ALERO® Fine™

CAS Number	88497-56-7
EINECS/EC	
Molecular Formula	

DESCRIPTION

SAYTEX ALERO® Fine™ is a polymeric flame retardant intended for use in coatings formulations which require controlled, small particle size. It is part of the SAYTEX ALERO platform, which provides flame retardant performance across a range of processing conditions while supporting formulation flexibility and customizable material properties.

Product suitability and recommended use levels should be determined for the specific polymer, processing conditions and required fire safety performance.

APPLICATION

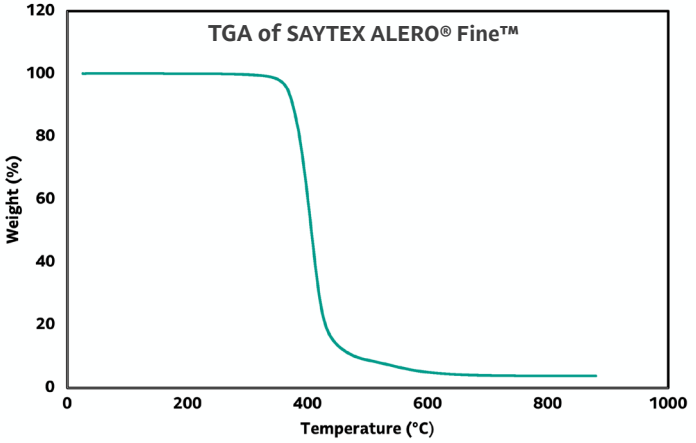
SAYTEX ALERO Fine flame retardant is targeted for coating applications, including water-based latex-based compounds for textiles and adhesives.

FEATURES & BENEFITS

SAYTEX ALERO Fine flame retardant is in white powder form containing 72-73% bromine. No EPA Significant New Use Rule (SNUR) currently applies to SAYTEX ALERO Fine. Depending on the application, it is easily melt-blendable, returns high melt flow and provides excellent thermal and color stability while retaining high gloss and impact strength.

PHYSICAL PROPERTIES

Property	Value
Appearance/Form	White Powder, PST
% Bromine	~72-73
Average particle size (µm)	~3
Specific gravity (23 °C)	~2.3
Glass transition temperature (°C)	~130-140
TGA (TA Instruments, model Q500, 10 °C/min under N_2)	
1% weight loss, °C	338
5% weight loss, °C	367
10% weight loss, °C	376
Solubility (wt. % at 25 °C)	
Water	< 0.01
Acetone	< 2
Methanol	<0.01
Toluene	~78



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