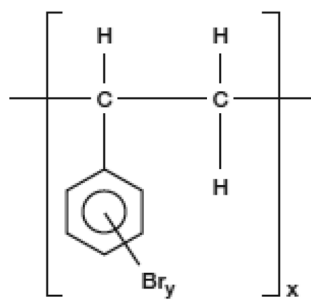


# SAYTEX® HP-3010 Flame Retardant

## DESCRIPTION

SAYTEX HP-3010 flame retardant is a highly effective brominated polystyrene product with exceptional flow properties in engineering thermoplastics and excellent resistance to yellowing at high temperatures. Customers report significant improvements in compounding speed and molding throughput when using this product, as well as improved dimensional stability and elongation resistance in molded parts. Like other brominated polystyrenes, SAYTEX HP-3010 flame retardant is non-blooming. It is insoluble in water and presents no bioaccumulation or dioxin/furan concerns.



## FEATURES

- Excellent Flow In Resin
- Superior Color
- Excellent Thermal Stability
- Excellent Melt Stability
- Excellent Non Blistering Performance
- Improved Mechanical Properties
- Low Loadings

## TYPICAL PROPERTIES\*

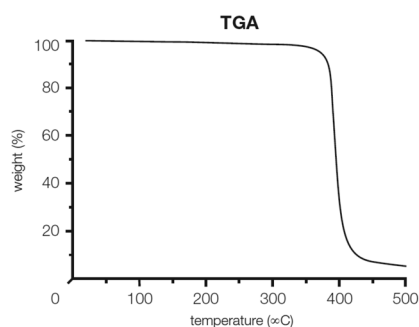
Proprietary compound Appearance/form	Off white granular
% Bromine (theoretical)	68.5
Tg (°C)	163
Specific Gravity (at 23°C)	2.22
Bulk Density, lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	77 (1236)
Refractive Index (at 23°C)	1.68
Solubility in: (wt. % at 25°C)	
Water	<0.1
Acetone	<0.1
Methanol	<0.1
Toluene	63.8
Styrene monomer	53.5

## TYPICAL PROPERTIES\*

TGA (TA Instrument model Q500 V6.7 10°C/min, under N<sub>2</sub>)

1% weight loss, °C	346
5% weight loss, °C	372
10% weight loss, °C	381
50% weight loss, °C	407
90% weight loss, °C	433

\*These properties are typical but do not constitute a specification either in part or as a whole. Specification data is available on request from sales, customer service or customer technical service.



## CHEMICAL REGISTRATION NUMBER

CAS: 88497-56-7  
EINECS: exempt

## RESPONSIBLE CARE

Albemarle is committed to the safety and well-being of our customers, employees and the community at large. Material safety data sheets (MSDS) are available upon request.



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