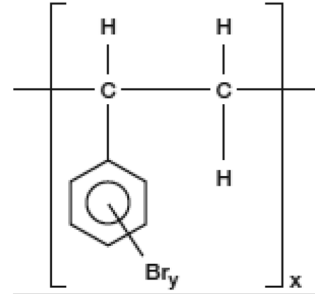


# SAYTEX® HP-7010 Flame Retardant

## DESCRIPTION

Brominated polystyrene

SAYTEX HP-7010 flame retardant is a polymeric additive containing thermally stable, aromatic bromine. It is available in powder (HP-7010P) or granule form (HP-7010G).



where x and y are approximately 2000 and 2.7, respectively

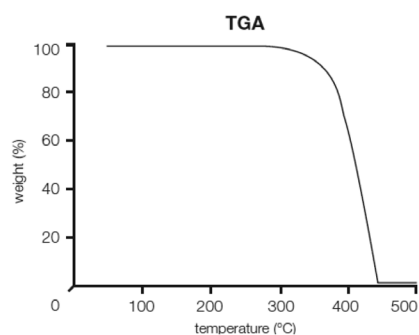
## APPLICATIONS

SAYTEX HP-7010 flame retardant provides outstanding thermal stability and electrical performance. It is particularly suitable for engineering plastic applications such as polyesters (PET, PBT, PCT) and polyamides (nylons).

## BENEFITS AND FEATURES

SAYTEX HP-7010 flame retardant has outstanding thermal stability. It is an ideal choice for high temperature applications such as engineering plastics. Due to its stability, it can often be used where other flame retardants fail to survive. Due to its polymeric structure, SAYTEX HP-7010 flame retardant is non-blooming in all applications. Excellent electrical properties provide yet another reason to choose this flame retardant for demanding engineering plastic applications.

## TYPICAL PROPERTIES



% Bromine (theoretical)	68.5
Tg (°C)	182
Appearance/form	White powder or granules
Specific Gravity	2.15
Refractive index	1.68
Solubility in: (wt. % at 25°C)	
Water	<0.01
Acetone	<0.01
Methanol	<0.01
Toluene	0.7
Styrene monomer	11.2
TGA (TA Instruments model Q500 V6.7 10°C/ min under N <sub>2</sub> )	
1% weight loss, °C	343
5% weight loss, °C	370
10% weight loss, °C	380
50% weight loss, °C	406
90% weight loss, °C	430

*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  
MITI: 6-1579

## 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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