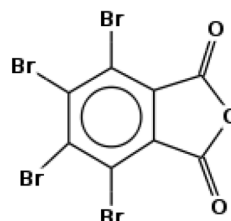


# SAYTEX® RB-49 FLAME RETARDANT

## DESCRIPTION

Tetrabromophthalic Anhydride

SAYTEX RB-49 flame retardant, tetrabromophthalic anhydride, is an additive or reactive intermediate containing aromatic bromine.



## APPLICATIONS

SAYTEX RB-49 flame retardant is designed as a reactive intermediate for use in unsaturated or saturated polyesters, polyols, esters and imides.

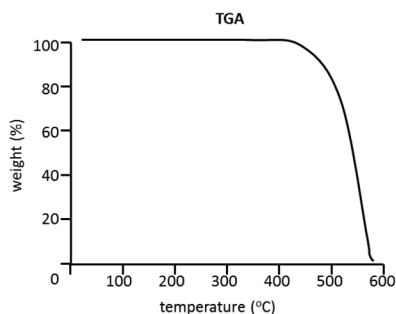
Additional information on the use of SAYTEX RB-49 flame retardant may be found in various technical bulletins, which are available from Albemarle.

## BENEFITS AND FEATURES

SAYTEX RB-49 flame retardant is a highly efficient reactive aromatic bromine source. In some cases SAYTEX RB-49 flame retardant's derivatives can be substituted for higher bromine-containing flame retardants on an equal weight % basis rather than an equal % bromine basis. SAYTEX RB-49 flame retardant allows for the highest level of bromine to be reacted into unsaturated polyesters at comparable monomer levels.

## TYPICAL PROPERTIES

% Bromine (theoretical)	68.9
Melt range (°C)	279.5 - 280.5
Molecular weight	463.7
Appearance/form	white /powder
Specific Gravity	2.91
Bulk density (Hosokawa powder tester, lb/ft <sup>3</sup> , [Kg/m <sup>3</sup> ])	
Packed	99 [1586]
Aerated	72 [1153]
Average particle size (µm)	76



*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.*

## TYPICAL PROPERTIES

Refractive index	1.83
Solubility in: (wt. % at 25°C)	
Water	<0.01
Acetone	2.5
Methanol	2.9
Toluene	5.1
Ethylene Glycol	<1.0
Propylene Glycol	<1.0
Styrene	8.1
TGA (TA Instrument model 2950, 10°C/min, under N2)	
1% weight loss, °C	217
5% weight loss, °C	244
10% weight loss, °C	256
50% weight loss, °C	289
90% weight loss, °C	301

## SHIPPING INFORMATION

**Transportation Classification**  
Not regulated for transportation

**Harmonized tariff number**  
2917.39

Packaging and minimum order information is available from sales or customer service.

## CHEMICAL REGISTRATION NUMBERS

CAS: 632-79-1  
EINECS: 25111851  
MITI: 3-62

## RESPONSIBLE CARE

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



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