

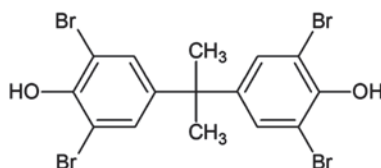
SAYTEX® CP-2000

Flame Retardant

DESCRIPTION

Tetrabromobisphenol A

SAYTEX® CP-2000 flame retardant is a reactive intermediate, or additive, depending on the application.



APPLICATIONS

As a reactive flame retardant, SAYTEX® CP-2000 flame retardant finds particular application in epoxy, vinyl esters and polycarbonate systems. As an additive flame retardant, SAYTEX® CP-2000 flame retardant is widely used in ABS.

Additional information on the use of SAYTEX® CP-2000 flame retardant may be found in the following technical bulletin produced by Albemarle:

- Flame Retardants for ABS

BENEFITS AND FEATURES

SAYTEX® CP-2000 flame retardant is a highly pure flame retardant containing very stable aromatic bromine. It can be used as a reactive or additive flame retardant.

As a reactive flame retardant, SAYTEX® CP-2000 flame retardant finds particular application as a reactive monomer in epoxy and polycarbonate polymers. It is very cost-effective and once reacted, it is permanent and non-migrating.

SAYTEX® CP-2000 flame retardant is a major component in epoxy oligomers used as additives for styrenic polymers and many engineering thermoplastics. Properties of note are improved polymer viscosity and UV resistance.

As an additive flame retardant, SAYTEX® CP-2000 flame retardant is widely used in ABS. It melt blends into these systems, resulting in excellent processability, impact strength and moderate-range UV stability.

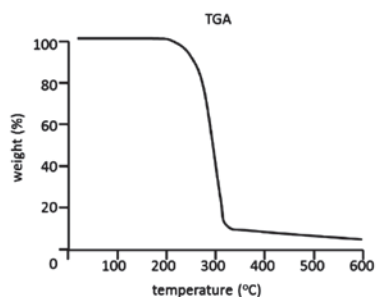
SAYTEX® CP-2000 flame retardant is generally used with a synergist such as antimony oxide for maximum flame retardant performance.

TYPICAL PROPERTIES*

% Bromine (theoretical)	58.8
Melt range (°C)	181
Molecular weight	543.9
Appearance/form	white /powder
Specific gravity	2.18
Dielectric constant (1 MHz)	2.18
Dissipation factor (1 MHz)	0.17

TYPICAL PROPERTIES*

Continued



Bulk density (Hosokawa powder tester, lb/ft ³ , [Kg/m ³])	
Packed	76.5 [1129]
Aerated	53 [849]
Refractive index	1.73
Solubility (weight % at 25°C)	
Water	< 0.01
Acetone	69.60
Methanol	47.20
Toluene	6.40
Styrene	8.50
Epoxy resin (Dow DER343)	<0.1
TGA (TA Instrument model 2950, 10°C/min, under N ₂)	
1% weight loss, °C	222
5% weight loss, °C	251
10% weight loss, °C	267
50% weight loss, °C	316
90% weight loss, °C	459

*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.

SHIPPING INFORMATION

Transportation classification: not regulated for transportation

Harmonized tariff number: 2908.10

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

CHEMICAL REGISTRATION NUMBER

CAS: 79-94-7

EINECS: 2012369

MITI: 4-205

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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