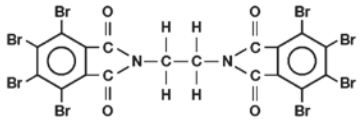
SAYTEX® BT-93W
Flame Retardant

DESCRIPTION

ethylenebistetrabromophthalimide

SAYTEX® BT-93W flame retardant is a unique white-colored additive that combines stable, aromatic bromine with an imide structure.



APPLICATIONS

SAYTEX® BT-93W flame retardant provides premium performance in a wide range of applications. It finds use in polyolefins, high-impact polystyrene (HIPS), thermoplastic polyesters (PBT, PET,etc.), polycarbonate and elastomers.

Additional information on the use of SAYTEX® BT-93W flame retardant may be found in the following technical bulletins produced by Albemarle:

- Flame Retardant Comparison in Glass-Filled Polybutylene Terephthalate
- Flame Retarding Elastomers
- Introduction to Flame Retarding Polyolefins
- Status of Regulatory Activity on Brominated Flame Retardants

BENEFITS AND FEATURES

SAYTEX® BT-93W flame retardant has outstanding thermal and UV stability. Its white color allows use in color-sensitive applications. Its thermal stability allows use in engineering resins like polyesters and polyamides. SAYTEX® BT-93W flame retardant is also non-blooming. This feature allows use in such critical applications as polyolefin films where good heat sealability is required. Its excellent wet electrical properties also make it ideal for wire and cable applications.

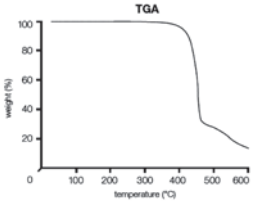
TYPICAL PROPERTIES*

% Bromine (theoretical)	67.2
Melt range (°C)	460
Molecular weight	951.5
Appearance/form	White/powder
Specific gravity	2.77
Dielectric constant (1MHz)	1.17
Dissipation factor (1MHz)	0.03
Bulk density (Hosokawa powder tester, lb/ft^3, [Kg/m^3])	
Packed	55 [875]
Aerated	30 [474]
Average particle size (µ)	2.81
Refractive index	1.79

TYPICAL PROPERTIES*
Continued

Solubility (weight % at 25°C)	
Water	< 0.01
Acetone	< 0.01
Methanol	< 0.01
Toluene	< 0.01
TGA (TA Instrument model 2950, 10°C/min, under N2)	
1% weight loss, °C	336
5% weight loss, °C	410
10% weight loss, °C	426
50% weight loss, °C	457
90% weight loss, °C	> 600

**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: 32588-76-4
EINECS: 2511186
MITI: 5-5550

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.

ALBEMARLE®

NORTH AMERICA Albemarle: Rockwood Lithium Inc. • 4350 Congress Street, Suite 700 Charlotte, NC 28209, USA • Phone: +1 980 299 5700
EUROPE Albemarle: Rockwood Lithium GmbH • Industriepark Höchst, Gebäude G 879, 5926 Frankfurt am Main, Germany • Phone: +49 69 40 12 60
LATIN AMERICA Albemarle: Rockwood Litio Ltda. • Isidora Goyenechea Nro. 3162, Oficina 202, Las Condes • Santiago, Chile • Phone: +56-55-2351008
ASIA PACIFIC Albemarle Management (Shanghai) Co. Ltd. • Building 6, A-Sun Science & Technology Park, Lane 399 Shengxia Road
Pudong, Shanghai 201210, China • Phone: + 86-21-6103-8666