



**FARETAR™**  
Flame Retardant

**FaRetar Flame Retardant Technology Co., Ltd.**

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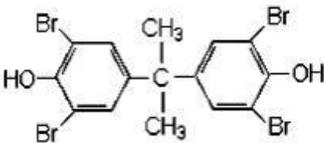
Email: [info@faretar.com](mailto:info@faretar.com)      Web site: <http://www.faretar.com/>

# FARETAR™ TBBA

## Tetrabromobisphenol A

### Product description

FARETAR™ TBBA is a highly pure flame retardant containing very stable aromatic bromine. It can be used as both reactive and additive flame retardant.

Molecular Structure	
Chemical Name:	Tetrabromobisphenol-A
Formula	C <sub>15</sub> H <sub>12</sub> Br <sub>4</sub> O <sub>2</sub>
CAS Number	79-94-7
Molecular Weight	543.7
Bromine content (theoretical), %:	58.5
Appearance	White Powder
Specific gravity, g/cm <sup>3</sup>	2.18

### Comparable grade

Chemtura BA-59P  
Albemarle Saytex CP-2000  
ICL FR-1524

### Characteristics

- Good flame retardant effect and high-cost efficiency
- Good compatibility with ABS, HIPS etc.
- Endow the material with impact strength and UV stability
- Better flame retardant effect when synergizing with antimony trioxide

## Application

- **FARETAR™ TBBA** can be used as a reaction monomer in the synthesis of epoxy resin, vinyl ester and polycarbonate materials.
- **FARETAR™ TBBA** can also be used as additive flame retardant and is widely used in the processing of ABS and HIPS materials.
- **FARETAR™ TBBA** can also be used as an intermediate to synthesize other complex flame retardants, such as BDDP, BEO, etc.

## Specification

Item	Test method	Specification
Melting Point, °C	GB/T 617	≥ 180
Bromine Content, %	HG/T 5343-2018	≥ 58.0
Moisture, %	GB/T 6284	≤ 0.1
Color, APHA	GB/T 605	≤ 20

## Solubility and TGA Reference

Solubility (wt. % at 25°C)	
Water	< 0.01
Acetone	69.6
Methanol	47.2
Toluene	6.4
Styrene	8.5
TGA (TA Instrument model 2950, 10°C/min, under N <sub>2</sub> )	
1% weight loss, °C	222
5% weight loss, °C	251
10% weight loss, °C	267
50% weight loss, °C	310
90% weight loss, °C	459

## Packing

25 kg/bag or 500 kg/bag, 1000 kg/bag

## Storage

Store the product in a cool, dry, well - ventilated area away from incompatible materials.