

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

Office: Building 8, Weifang Yuandu Huizhi Industrial Park No.3999,

Taixiang West Street, Economic Developing Zone,

Weifang, Shandong, China.

Post code: 261031 Tel: + (86) 536 8826089 Fax: + (86) 536 8057018

Email: info@faretar.com Web site: <http://www.faretar.com>**FARETAR™ BDDP****Tetrabromobisphenol A, bis (2,3-dibromopropyl) ether****Product description**

FARETAR™ BDDP is a highly effective additive flame retardant containing both aromatic bromine and aliphatic bromine. It has excellent thermal stability and light stability.

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|-------------------------------------|--|
| Molecular Structure | |
| Chemical Name | Tetrabromobisphenol-A, bis (2,3-dibromopropyl) ether |
| Formula | C ₂₁ H ₂₀ Br ₈ O ₂ |
| CAS Number | 21850-44-2 |
| Molecular Weight | 943.2 |
| Bromine content (theoretical), % | 67.6 |
| Appearance | White Powder |
| Specific gravity, g/cm ³ | 2.2 |

Comparable grade

Albemarle Saytex HP-800

ICL FR-720

Characteristics

- High flame retardant efficiency
- Good thermal stability
- Little influence on mechanical properties of products
- Few toxic substances are produced during decomposition

Application

FARETAR™ BDDP is an additive flame retardant containing aromatic bromine and aliphatic bromine. Due to its good flame retardant effect, it is widely used in PP, PE, PS, ABS, polymer materials, electronic industries, etc.

Specification

| Item | Test method | Specification |
|--------------------|----------------|---------------|
| Melting Point, °C | GB/T 617 | ≥ 100 |
| Bromine Content, % | HG/T 5343-2018 | ≥ 67.0 |
| Moisture, % | GB/T 8017-2008 | ≤ 0.3 |
| Whiteness | GB/T 13025.2 | ≥ 92 |

Solubility Reference (wt. % at 25°C)

| Solvent | Solubility |
|--------------------|-------------|
| Water | Non Soluble |
| Methanol | Non Soluble |
| Acetone | 10 |
| Toluene | 24 |
| Methylene Chloride | 50 |

Thermogravimetric Analysis Reference (10°C/min, air)

| Weight Loss (%) | °C |
|-----------------|-----|
| 1 | 291 |
| 5 | 306 |
| 10 | 316 |

Packing

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

Storage

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