



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

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**FARETAR™ B-58**

**TBBPA carbonate oligomer**

**Product description**

**FARETAR™ B-58** is a bromine containing oligomer with high bromine content (Compared with FARETAR™ B-52), which not only has high flame retardant effect, but also does not affect the comprehensive properties of end products.

Molecular Structure	
Chemical Name	2,4,6-Tribromophenyl-terminated tetrabromobisphenol-A carbonate oligomer
Formula	$(C_7H_2Br_3O_2) \cdot (C_{16}H_{10}Br_4O_3)_n \cdot (C_6H_2Br_3O)$
CAS Number	71342-77-3
Bromine content (theoretical), %	58
Appearance	White Powder
Specific gravity, g/cm <sup>3</sup>	2.2

**Comparable Grade**

Chemtura BC-58

**Characteristics**

- Excellent thermal stability
- Good UV stability
- Excellent electrical performance
- No influence on finished products color and comprehensive properties

## Application

**FARETAR™ B-58** flame retardant has not only excellent flame-retardant effect but good comprehensive properties and can be widely used in PBT, PET, PBT/PET blends, PC, ABS, ABS/PC blends, Polysulfone and SAN.

## Specification

Item	Test method	Specification
Melting point, °C	GB/T 617	190 - 220
Whiteness	GB/T13025.2	≥ 95
Bromine Content, %	Q/0783FRT004-2020	≥58
Water (125°C, 2h), %	GB/T 6284	≤ 0.2

## Solubility Reference (wt. % at 25°C)

Solvent	Solubility
Water	< 0.1
Toluene	14
Methylene Chloride	Complete
Methanol	< 0.1
Methyl Ethyl Ketone	Complete

## Packaging

20 or 25 kg/bag.

## Storage and transportation

Handle with care, keep airtight and dry.