



FaRetar Flame Retardant Technology Co., Ltd.

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FARETAR™ B-52

TBBA carbonate oligomer

Product description

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

Molecular Structure	
Chemical Name:	Phenoxy-terminated carbonate oligomer of Tetrabromobisphenol A
Formula	$(C_7H_5O_2).(C_{16}H_{10}Br_4O_3)_n.(C_6H_5O)$
CAS Number	94334-64-2
Bromine content (theoretical), %:	52
Appearance	White Powder
Specific gravity, g/cm ³	2.2

Comparable Grade

Chemtura BC-52

Characteristics

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

Application

FARETAR™ B-52 flame retardant has excellent comprehensive performance and can be widely used in PBT, PET, PBT/PET blends, PC, ABS, ABS/PC blends, Polysulfone and SAN.

It can be applied to the formulation of UV resistant substrate due to its good UV stability,

It can also be used in engineering plastics such as PBT owing to its little effect on products chromaticity, impact strength, thermal stability and other properties.

Specification

Item	Test method	Specification
Melting point, °C	GB/T 617	190 - 220
Whiteness	GB/T13025.2	≥ 95
Bromine Content, %	Q/0783FRT003-2020	≥52
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.