



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

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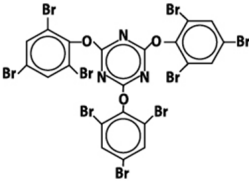
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# FARETAR™ 245

## Tris(tribromophenyl) cyanurate

### Product description

FARETAR™ 245 is an additive flame retardant containing nitrogen and bromine. It has good flame retardancy, weather resistance and compatibility with engineering plastics. Therefore, it has remarkable effect in flame retardant engineering plastics

Molecular Structure	
Chemical Name	2,4,6-tris(2,4,6-tribromophenoxy)-1,3,5-triazine
Formula	C <sub>21</sub> H <sub>6</sub> Br <sub>9</sub> N <sub>3</sub> O <sub>3</sub>
CAS Number	25713-60-4
Molecular Weight	1067.43
Bromine content (theoretical), %	67
Appearance	White Powder
Specific gravity, g/cm <sup>3</sup>	2.44

### Comparable grade

WOOJIN BTAC-245

ICL FR-245

### Characteristics

- High flame-retardant effect
- Excellent UV stability
- Non-blooming
- High thermal stability

- Good weather resistance
- No free bromine

## Application

**FARETAR™ 245** is an additive flame retardant containing both nitrogen and bromine. It is widely used in HIPS, PBT, PC, ABS and other engineering plastics due to its good compatibility with engineering plastics; It is an upgraded product of DBDPO because it overcomes the poor light resistance of DBDPO (Decabromodiphenyl oxide) and easy yellowing of DBDPO finished products

## Specification

Item	Test method	Specification
Bromine, %	Q/0783FRT001-2020	66 - 68
Whiteness	GB/T 5950-2008	≥93
Volatile, %	GB/T 6284-2006	≤0.2
Melting Point, °C	GB/T 21781-2008	225 - 235

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

Weight Loss (%)	°C
2	360
5	385
10	400

## Solubility Reference (g/100g at 25°C)

Solvent	Solubility
Water	≤0.1
Toluene	28
Methyl ethyl ketone	4
Methyl acetate	3
Methyl acetate	17
Methanol	0.2

## Packaging

25 kg woven bags or according to the requirements of the customers.

## Storage

Store in a dry, cool, well-ventilated area. Avoid inhalation, ingestion and contacting with skin and eyes.