



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

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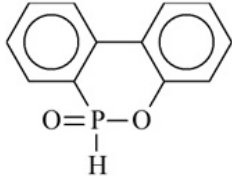
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**FARETAR™ DOPO**

**9,10-dihydro-9-oxa-10-hosphaphenanthrene-10-oxide**

**Product description**

FARETAR™ DOPO is a halogen-free phosphorus flame retardant. its flame retardant effect is better than other phosphate flame retardants due to C-P bond.

Molecular Structure	
Chemical Name	9,10-dihydro-9-oxa-10-hosphaphenanthrene-10-oxide
Formula	C <sub>12</sub> H <sub>9</sub> PO <sub>2</sub>
CAS Number	35948-25-5
Molecular Weight	216
Appearance	White crystalline powder or flakes

**Comparable grade**

POLYPHLOX 3710

**Characteristics**

- Excellent thermal stability, water resistance, oxidation resistance
- Used as reactive and additive flame retardants
- Soluble in methanol, ethanol, chloroform, benzene, toluene and chlorobenzene, insoluble in water

**Applications**

FARETAR™ DOPO is a halogen-free environmental flame retardant. It is mainly used in epoxy resin, luminescent materials, electronic and electrical materials.

In order to meet the requirements of environmental protection, Epoxy resin cured by **FARETAR™ DOPO** can replace brominated epoxy resin as an environmental protection material in the circuit board industry.

## Specifications

Item	Unit	Best Grade
DOPO content	%	≥99.5
OPP content	ppm	≤1000
Melting point	°C	117 - 120
water absorption	%	≤0.3
Acid value	(mgKOH/g)	≤300
Color	APHA	≤100

\*Test method: Q/0783FRT012-2019

## Packaging

25 kg kraft bags.

## Storage and transportation

Handle with care, keep airtight and dry.