



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

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**FARETAR™ TEP**

**Triethyl phosphate**

**Product description**

FARETAR™ TEP is a halogen-free phosphorus flame retardant, which is generally used in conjunction with other flame retardants.

Molecular Structure	
Chemical Name	Triethyl phosphate
Formula	C <sub>6</sub> H <sub>15</sub> O <sub>4</sub> P
CAS Number	78-40-0
Molecular Weight	182.15
Appearance	Transparent liquid
Density (20°C, g/cm <sup>3</sup> )	1.07

**Comparable grade**

Daihachi TEP

**Characteristics**

- Low viscosity
- Soluble in majority of organic solvents and water

**Applications**

FARETAR™ TEP can be used in acrylic resin and unsaturated polyester laminates containing a variety of cellulose.

**FARETAR™ TEP** can also be used in combination with a variety of halogen-free flame retardants. Its main function is to retard flame and regulate viscosity.

## Specification

Item	Specification
Appearance	Transparent liquid
Phosphorus content (wt, %)	17.0
Color (APHA)	≤20
Acid Value (mg KOH/g)	≤0.1
Water content (wt. %)	≤0.2
Density (20° C, g/cm <sup>3</sup> )	1.070 ± 0.005
Purity (wt. %)	>99

\*Test method: Q/0783FRT016-2019

## Package

200 kg in iron drum, or 1000Kg in IBC, or 20-23MT Isotank

## Storage

Store the product in a cool, dry, well - ventilated area