

**Flame retardant for polymer**

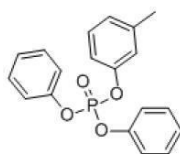
**Flame retardant**

## 1. General

TY CHEM TY207 is a phosphate flame retardant plasticizer used in engineered resins and PVC, whose superiority is demonstrated in excellent compatibility with resins, oil resistance, excellent electrical properties, superior hydrolytic stability, low volatility, and low-temperature flexibility. It is also recommended for flexible PVC, PVB, chloropolyethylene, natural or synthetic rubber, as well as for flexible PU foams.

## 2. Properties

Structure



CAS name	:	Cresyl diphenyl phosphate
CAS no.	:	26444-49-5
Molecular formula	:	C <sub>19</sub> H <sub>17</sub> O <sub>4</sub> P
Molecular weight	:	340.31

## 3. Physical Data

Appearance	:	Colorless Transparent Liquid.
Odor	:	Odorless
Boiling point	:	235-255°C
Melting range	:	-38°C
Phosphorus content (wt. %):		9.1(Theory)
Refraction Index	:	1.560±0.005

## 4. Specification

Color (APHA)	<100
Acid Value (mgKOH/g)	<0.1
Water content (wt. %)	<0.1
Phosphorus content (wt. %)	>8.9
Density (25°C, g/cm <sup>3</sup> )	1.210±0.010
Viscosity (25°C, mPa.s)	34-38

## 5. Packaging:

250kg net in iron drum.