

Flame retardant for polymer

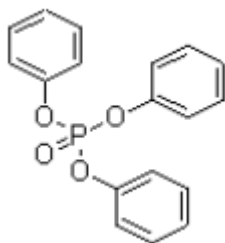
Flame retardant

1. General

TY CHEM TY205 is a non-halogen flame retardant plasticizer for phenolic resin-based, polycarbonate, Acrylonitrile butadiene styrene, copper clad laminate, cellulose resin, vinyl resin and rubber, and some engineering plastics such as PPO.

2. Properties

Structure



CAS name	:	Triphenyl Phosphate
CAS no.	:	115-86-6
Molecular formula	:	C ₁₈ H ₁₅ O ₄ P
Molecular weight	:	326.29

3. Physical Data

Appearance	:	White flake solid
Odor	:	Odorless
Boiling point	:	N/A
Bulk density	:	1.185-1.202 (Standard)/ 1.198 (Testing result)
Color APHA	:	≤60 (Standard)/ ≤50 (Testing result)
Content (%)	:	99 (Standard)/ 99.5(Testing result)

4. Solubility

(g in 100 ml solvent @25 °C)

Methanol	:	<0.01
Water	:	<0.01
Methylene chloride	:	<0.01
Toluene	:	<0.01
DMF	:	<0.01
Methyl ethyl ketone	:	<0.01

5. Specification



PRODUCT DATA SHEET
TY CHEM TY205
WWW.TYCHEMGROUP.COM

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Appearance	:	White flake solid
Acid Valur mgKOH/g		≤0.1 (Standard) / ≤0.02(Testing result)
Density (50°C)		1.185-1.202Standard) / 1.198 (Testing result)
Freezing Point°C		≥47(Standard) / ≥48.6(Testing result)
Free phenol %		≤0.1 (Standard) / ≤0.04(Testing result)