

Flame retardant for polymer

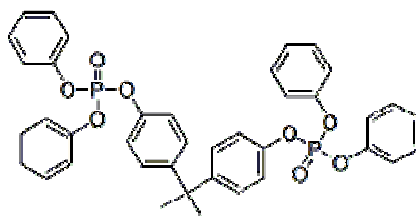
Flame retardant

1. General

TY CHEM TY208 is a halogen-free bisphosphate flame retardant used in engineered resins, and its superiority is demonstrated in low volatility, excellent hydrolytic stability, and high thermal stability that can tolerate high processing temperature required for engineered resins. It is recommended for use in PC/ABS, mPPO, epoxy resins.

2. Properties

Structure



CAS name	:	Bisphenol A-bis(diphenyl phosphate)
CAS no.	:	5945-33-5
Molecular formula	:	C ₃₉ H ₃₄ O ₈ P ₂
Molecular weight	:	692.63

3. Physical Data

Appearance	:	Liquid
Odor	:	Odorless
Boiling point	:	N/A
Melting range	:	102-110°C min
Phosphorus content (wt. %)	:	8.9 (Theory)
N=1 content (wt. %)	:	80-89

4. Specification

Color (APHA)	<80
Acid Value (mgKOH/g)	<0.1
Water content (wt. %)	<0.1
Phosphorus content (wt. %)	>8.9
TPP content (wt. %)	<3.0
Phenol content (ppm)	<500
Viscosity (40°C, mPa.s)	1800-2600

5. Packaging:

250 kg net in iron drum.