

Flame retardant for polymer

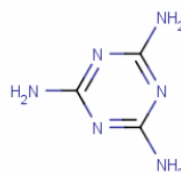
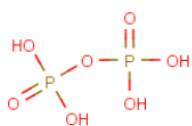
Flame retardant

1. General

TY CHEM TY204 e is a halogen-free flame retardant, and have very high thermal stability. The decomposition temperature $\geq 360^{\circ}\text{C}$. It can be widely applied in thermoplastic and thermosetting plastics, and rubber, fiber, and so on. MPP is used specially for glass fiber reinforced polyamide 66. The type include the MPP-A and MPP-B

2. Properties

Structure



CAS name	:	Melamine polyphosphate (MPP)
CAS no.	:	218768-84-4
Molecular formula	:	$\text{HO}(\text{C}_3\text{H}_7\text{N}_6\text{PO}_3)_n\text{H}$
Molecular weight	:	304.095

3. Physical Data

Appearance	:	White powder
Odor	:	Odorless
Boiling point	:	N/A
Bulk density	:	300~400
N conten(%)	:	42~44
P content(%)	:	12~14
Water content (%)	:	≤ 0.3
pH value (10g/l)	:	4~6
Solubility (20°C) g/l	:	≤ 0.05

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



PRODUCT DATA SHEET
TY CHEM TY204
WWW.TYCHEMGROUP.COM

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5. Specification

Appearance	:	White powder		
BParticle size (average)	:	MPP-A	D50≤2.5 D98 ≤30/	MPP-B D50≤1.7 D98≤18
Volatility	:	0.2% max.		