



Flame retardant for polymer

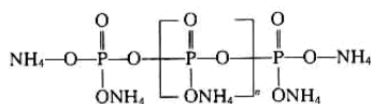
Flame retardant

1. General

TY CHEM TY202 can be used in expanding fireproof material, such as polyurethane, UP resin and epoxy resin. Also used in the retardant of fibre, wood and plastic. APP is main ingredient of expanding retardant thermoplastic because of its high molecular weight and good heat stabilization. Especially used in the PP achieving UL94-V0 for electronic unit.

2. Properties

Structure



CAS name	:	Ammonium Polyphosphate II (APP II) n≥1000
CAS no.	:	269-789-9
Molecular formula	:	(NH ₄ PO ₃) _n
Molecular weight	:	

3. Physical Data

Appearance	:	White powder
Odor	:	Odorless
Boiling point	:	N/A
Moisture	:	≤0.25%
Average particles size,D50:		≤20um
Solubility(g/100mL H2O):		≤1
Viscosity(10% suspension,25°C):		≤100

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

Appearance	:	White powder
Particle size (average)	:	20 um max.
P2O5	:	≥71.0%
N	:	≥14.0%



PRODUCT DATA SHEET
TY CHEM TY202
WWW.TYCHEMGROUP.COM

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PH Value(100g/L)

5.5---7.7