

# ENFLOC Polymer flocculant

□ Today, polymer flocculant is essential indispensable element in settlement, filtration, wastewater processed by method such as concentration, water treatment in various industry field.

□ ENFLOC separates and removes for suspended solids or particle of water as water soluble polymer flocculant that do Acrylamide by main raw material , and effect is high because of Sludge's dehydration specially.

□ ENFLOC including skill and industrial water disposal water treatment such as various industrial waste waters, wastewater treatment be applied generally, and improves processing efficiency because performance is very excellent .

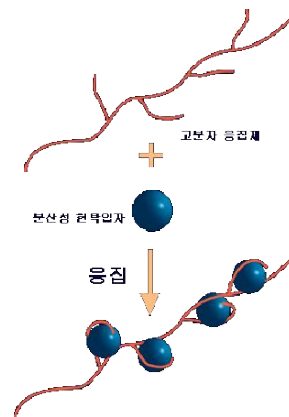


## ■ product specification

Section	name series	IONIC	use conc.(%)	P.H	perperty , applicaton
Anionic	AP-550H	weak Anion	0.1~0.2	3~12	Industrial waste water, Flocculation of suspended solid, settlement promotion, Flocculation of inorganic suspended solid
	AP-501	weak Anion	0.1~0.2	3~12	
	AP-502	Middle Anion	0.1~0.2	3~12	
	AP-503	strong Anion	0.1~0.2	3~12	
Nonionic	NP-600	Nonion	0.1~0.2	3~12	mine, metal refining waste water flocculation and sedimentation
Cationic	CP-701H	weak Cation	0.15~0.3	3~11	Industrial wastewater Flocculations and dehydration promotion of various organic matter sludge
	CP-702H	middle Cation	0.15~0.3	3~11	
	CP-703H	strong Cation	0.15~0.3	3~11	
	CP-704H	strong Cation	0.15~0.3	3~11	

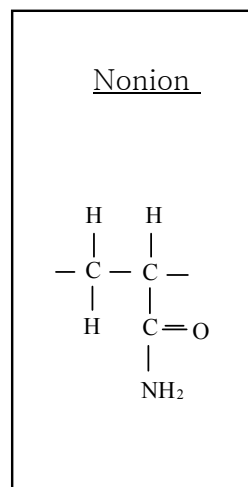
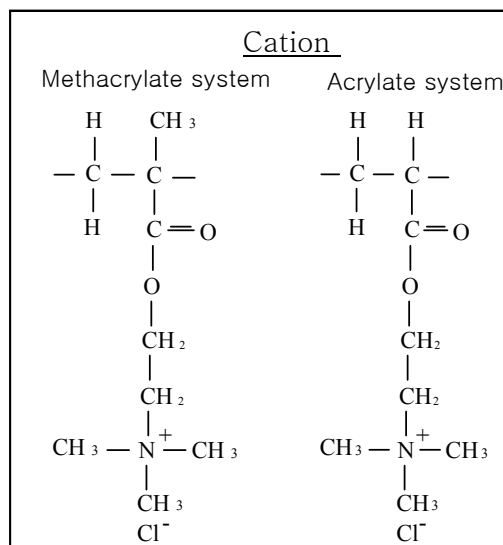
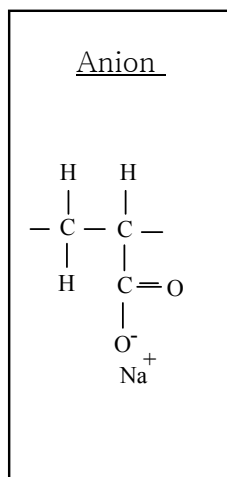
## 1. Flocculation action principle

- Colloidal particle of water or surface of suspended solids is disturbing shock between particle by mutual repulsion because have charge.
- Polymer flocculant does action that neutralizes to surface charge and do adsorption between particle.



## 2. Kind of flocculant

- Polymer flocculant parts in Powder type and Emulsion type according to nature of product, and parts in Anionic , Nonionic, Cationic according to



### 3. Use method

- **Solube concentration** : Use in ordinary 0.05 – 0.25% aqueous solution and Anion uses 0.1% usually, and Cation uses 0.2% by standard melting concentration.
- **Solube water** : PH of solube water is neuter gender, and it is good for hardness to use low water. Also, there is occasion that drop cohesion effect if dissolved inorganic matter uses a lot of waters.
- **Agitation** : Agitation agitates for 60 minutes in speed of 100 – 300 rpm because exert big influence on performance of flocculant.

### 4. Handle and storage

- Wear protective gear.
- Wash thoroughly with fresh water if skin contacts.
- dry and wind goes well that should store in place
- Avoid direct contact with water.
- Put mask to prevent microscopic powdered inhalation.
- Storage stability :
  - First product package :For most suitable 1 year, maximum 2 years
  - Aqueous solution state (0.1 - 0.3%) : Use as soon as is most suitable
  - Term of validity time : 12 - 72 hours

### 5. Package unit

- 10kg, 20kg paper bag
- 700kg Bulk Bag