



## Flocculant C25 Flocculation Agent

Polyacrylamide, Flocculant, Flocculating Agent, Polymer flocculant, PAM Manufacture Polyacrylamide called PAM, commonly known as flocculants or cohesion agent, product appearance is white powder, soluble in water. Suspension of mud from the flocculation and sedimentation and separation of mud, with low, low-cost water system, is flocculant other products cannot be replacing.

**Characteristics:** Polyacrylamide C25 is a linear polymer, soluble in water, it's almost transparent solution of the viscous liquid, non-dangerous, non-toxic, non-corrosive. C25 has solid hygroscopicity, flocculation, adhesion, drop resistance, thickening, while good stability.

### Application

Polyacrylamide is a strong flocculant which is applied in:

- Belt Filter, centrifuge and screw press dewatering
- All kind of industrial wastewater treatment
- Urban sewage treatment
- Mineral dressing
- Petrochemical
- Dyeing
- Dissolve air flotation (DAF)
- Filtration
- Thickening
- Paper making
- Coal washing
- Metallurgical

### Storage and Handling

Recommended materials to storage C25 are double thickness bags.

C25 is stable between 5 to 35 °C, away from direct sunlight and moisture.

| PHYSICAL PROPERTIES             |                                    |
|---------------------------------|------------------------------------|
| Physical state                  | Solid                              |
| Appearance                      | Colorless or white granular powder |
| Odour                           | None                               |
| Average molecular weight, g/mol | Ultra-High                         |
| Color                           | white                              |
| Particle size                   | 20-80 mesh                         |
| Charge                          | anionic                            |
| Degree of hydrolysis            | Medium                             |
| Residual monomers               | < 0.05%                            |
| Solubility in water             | Soluble                            |
| Insoluble component             | < 0.2%                             |

### Packaging & Shelf Life

Powder of A28 is packed in 25kg double thickness bags. Concentrated solution of A28 is shipped in polymer (plastic) containers (100 150 and 200 lit.).

**Shelf life:** 0.5% wt solution of this polymer in isolated vessel has a shelf life of 6-8 weeks far away from sunlight.

### Safety

A28 will not result in health damage and if comes into contact with eyes, it may cause moderate eye irritation.

**Inhalation:** Large quantity of dust inhalation may cause irritation to lung.

**Ingestion:** Consult a physician if possible. Do not induce vomiting except directed by a physician.

**Skin Contact:** Non-irritating to slightly irritating to skin.

**Eye Contact:** May result in moderate mechanical irritation by palpable powder or granular forms. Dust may cause stinging eyes. In case of contact, flush eyes with plenty of water or amphoteric eye solution for at least 15 minutes. Get medical advice if irritation develops.