



Flocculant A27

Flocculation Agent

Polyacrylamide, Flocculant, Flocculating Agent, Polymer flocculant, PAM Manufacture Polyacrylamide called PAM, commonly known as flocculants or cohesion agent, nonionic, in the molecular weight of between 18000-20000 thousand, 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 A27 is a linear polymer, soluble in water, it's almost transparent solution of the viscous liquid, non-dangerous, non-toxic, non-corrosive. A27 has solid hygroscopicity, flocculation, adhesion, drop resistance, thickening, while good stability. A27 is an important fine chemical, which can be widely used in petroleum, water treatment, paper making, sugar making, mining, coal washing, medical industry, light industry, agriculture as well as water conservancy, and mineral industries.

Application

A27 is a strong flocculant which is applied in the treatment of paper/textile/food industry waste water and produced water from the oil industry and most mineral processing applications. A27 is a linear polymer, which is hydrolysed sufficiently. A27 is applied for quick separation of solid particles, which is suspended in water. It can be compared with "Ciba" & "A103" in its applications.

A27 is used in flotation at alkaline pH. Dosage rate of A27 is usually between 10 to 50 grams per tons.

Recommended a 0.5-1% wt solution of the polymer is initially prepared which is then dependant on the application diluted down to 0.05-0.15% wt solution the solution must be homogeneous completely.

Storage and Handling

Recommended materials to storage A27 are double thickness bags. A27 is stable between 5 to 35 °C, away from direct sunlight and moisture.

PROPERTIES PHYSICAL

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 A27 is packed in 25kg double thickness bags. Concentrated solution of A27 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: A27 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.