

## **Polyacrylamide (PAM) Anionic / Cationic**

### **【Product description】**

Molecular weight 71.07

CAS No. 9003-05-8

Appearance: white fine-sand shaped powder or colorless transparent colloid

This product is technically named Polyacrylamide, which is a water soluble macromolecular polymer. It is insoluble in most of the organic solvents. It generates a good flocculation and can decrease the resistance between liquids

### **【Anionic Polyacrylamide】**

- 1) Appearance: White granule
- 2) Molecular weight:  
800 – 1000, 1000 – 1200, 1300 – 1500, 1600 - 2000
- 3) Granule: 20 - 100 mesh
- 4) Solid content: 90% (2% fluctuation)
- 5) Hydrolyzing degree: 10 - 20%, 20 - 30% or 30 - 40%
- 6) Dissolving time: 2 hours maximum (10° C)
- 7) Insoluble: 0.5% maximum
- 8) Monomer free: 0.05% maximum

### **【Cationic Polyacrylamide】**

- 1) Analysis of project/molecular weight(10, 000):  $\geq 900$
- 2) Lon degrees: 35
- 3) Solid content%: 90 (2% fluctuation)
- 4) Cationic degree%: 35
- 5) 0.3 aqueous solution viscosity MPA. S: 400-2030
- 6) Residual Monomers:  $\leq 0.02$
- 7) Dissolution time:  $\leq 2$ h
- 8) Appearance: White particles

### **【Applicaton】 :**

\*Anionic PAM

1. Used as flocculent to separate solid from liquid in the fields of mineral separation, metallurgy, chemicals and foodstuff;
2. And used for waste-water processing in iron and steel, textile and paper industries;
3. In oil industry, it is used for drilling and EOR;
4. In chemical industry, it is used as surface activating agent.

\*Cationic PAM

1. Used as flocculent and sludge dewatering agent in waste-water processing.
2. In paper-making industry, it is used as retention aid. In textile industry, it is used as fabric conditioning agent.

**【Package, Storage and Transportation】**

Package in 25kg P. P wovn bage or paper-plastic bags with PE lined, or as per buyer's instructions.

In storage and transportation, pay attention to heatproof and moisture proof. The powdery. Product will be damped to be caked and will be poor in solubility if exposure to air for long time.

The stacking layers shouldn't be more than 20 layers.

Shelf life is two years