Technical Data Sheet (TDS)

ASA-P 750

Chemical Product

Product Name:	**ASA-P 750**
Use:	**Anionic Flocculant**

Introduction

The ASA-P 750 as Anionic flocculants are high molecular weight, water-soluble polymers that contain negatively charged functional groups, such as carboxylate or sulfonate. They are widely used in solid-liquid separation processes where suspended particles or colloids carry a positive or neutral surface charge, making them ideal for use in mineral processing, wastewater treatment, and paper manufacturing.

Advantages:

- Efficient solid-liquid separation: Enhances sedimentation, flotation, and filtration by rapidly aggregating fine suspended solids.
- Versatile performance: Suitable for a broad range of applications including mining, coal washing, sand & gravel operations, and municipal/industrial wastewater treatment.
- Improved sludge dewatering: Increases cake dryness and reduces disposal volume in mechanical dewatering systems.
- Low dosage, high efficiency: Delivers optimal results at low concentrations (typically 1–10 ppm), reducing overall chemical costs.
- Wide pH compatibility: Effective across a broad pH range (usually pH 5–10).
- Customizable charge density and molecular weight: Allows selection of the best product for specific water chemistries and equipment conditions.
- Stable and easy to prepare: Available in powder or emulsion form; easy to dilute and dose with standard polymer make-down units.

Dosages:

ASA-P 750 should be diluted with clean water (typically 0.1–0.5%) and injected continuously using a dosing pump. The optimal dosage ranges from 1 to 10 ppm, depending on the application and water characteristics.

Typical Properties

- **Appearance : Solid, white powder**
- **Density : 800-900**
- **Charge : High**
- **pH (1%) : 4.0-6.0**

PACKAGING

ASA-P 750 is supplied in Triple-layer laminated bag of 25 kg capacity.

Storage

Keep cool, dry ventilated storage and clean containers.

Shelf Life

Two years in closed drums stored under cover and protected from extremes of temperature.

Performance monitoring

The performance of ASA-P 750 is evaluated based on the volume of settled particles as well as the settling rate

Address: Unit 1 South ,No 358, North Mofateh Ave, Tehran, Iran.
Tel: (+98)21 88 75 08 68 URL: www.ASAChem.ir E-Mail: info@ASAChem.ir