



ASHAION® PE 461 AM

Anionic Polyelectrolyte for Efficient Effluent Treatment

Category: Medium Molecular Weight Anionic Flocculant

Packaging: 25 Kg HDPE-lined Kraft Bags

Shelf Life: 24 Months (Sealed condition)

Product Overview

ASHAION® PE 461 AM is a high-performance medium molecular weight anionic polyelectrolyte designed for rapid settling and efficient clarification in wastewater treatment systems. Its balanced charge density ensures effective solid-liquid separation across a wide range of effluent compositions.

Key Benefits

- **Rapid Settling:** Accelerates floc formation and sedimentation.
- **Improved Clarity:** Enhances water transparency in treated effluent.
- **Sludge Volume Reduction:** Minimizes disposal frequency and cost.
- **High Compatibility:** Easily integrates with most ETP/STP processes.
- **Cost Effective:** Lower dosing requirement with maximum efficiency.

Applications

- Effluent Treatment Plants (ETPs)
- Municipal Wastewater Plants
- Paper & Pulp Industry
- Textile Industry
- Chemical and Food Processing Industries
- Primary & Secondary Settling Units

Technical Specifications

Parameter	Specification
Appearance	White to off-white granular powder
Ionic Nature	Anionic
Molecular Weight	Medium
Bulk Density	0.6 – 0.8 g/cm ³
Solubility	Completely soluble in water
pH (1% solution)	6.0 – 8.0
Moisture Content	≤ 7%

Dosing Guidelines

Dosage typically ranges from 2 – 10 ppm, depending on effluent load and nature of suspended solids. Best performance achieved after laboratory jar testing.

Packaging Options

25 Kg HDPE-lined Kraft Paper Bags

Custom packaging available upon request


Handling & Safety

- Use PPE: gloves, safety goggles, and dust mask
- Avoid inhalation and contact with eyes or skin
- Refer MSDS before use

Contact Us

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