



Product Brochure / Sales Sheet

ASHAION® PE 462 AL

Low Molecular Weight Anionic Polyelectrolyte for Efficient Effluent Treatment

Product Overview

ASHAION® PE 462 AL is a low molecular weight anionic polyelectrolyte designed for use in lighter effluent treatment applications and small-to-medium scale ETPs. It provides rapid settling and excellent clarification of suspended solids, even in systems with lower turbidity levels. With consistent quality and ease of application, it is ideal for industries looking for cost-effective and efficient solid-liquid separation.

Key Features

- ✓ Low molecular weight formulation – fast action in light effluent
- ✓ Enhanced floc formation and sedimentation
- ✓ Effective in a wide pH range (6–8)
- ✓ Easy dissolution and application
- ✓ Cost-effective for smaller operations
- ✓ Non-toxic and eco-safe formulation

Typical Applications

- Domestic Sewage Treatment Plants
- Food & Beverage Industries
- Textile Finishing Units
- Municipal Wastewater Facilities
- Small-Scale Industrial ETPs
- Pre-treatment Clarification Systems

Technical Specifications

Parameter	Specification
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Physical Appearance	White to off-white powder
Ionic Nature	Anionic
Molecular Weight	Low
Solubility	Fully soluble in water
Bulk Density	0.60 – 0.80 g/cm ³
pH (1% Solution)	6.0 – 8.0
Moisture Content	≤ 10%
Shelf Life	24 months in sealed packaging

Packaging & Storage

- Available in 25 kg HDPE woven bags with inner liners
- Store in a dry, shaded, and cool area
- Avoid exposure to moisture and direct sunlight
- Reseal partially used bags properly

Dosing Recommendations

- Prepare a 0.1–0.5% solution in clean water
- Stir gently for 30–60 minutes before dosing
- Typical dosage: 1–10 ppm depending on effluent characteristics
- Conduct jar tests for optimal dosage before plant-scale use

Safety & Handling

- Use gloves and safety goggles while handling
- Avoid inhalation of dust
- In case of eye contact, rinse with water
- Non-toxic and biodegradable – safe for aquatic discharge post-treatment

Why Choose ASHAION® PE 462 AL?

- ✓ Trusted by top-tier ETP operators
- ✓ Made with globally sourced raw materials
- ✓ Supported by Asha Resins' expert technical team
- ✓ Backed by ISO 9001:2015 certified quality systems

For bulk orders, dealer inquiries, or technical support:

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