



## TECHNICAL DATA SHEET (TDS)

Product Name: ASHAION® PE 461 AM

Category: Polyelectrolyte

Type: Anionic – Medium Molecular Weight

### Product Description

ASHAION® PE 461 AM is a high-performance, medium molecular weight anionic polyelectrolyte specifically formulated for rapid solid-liquid separation in industrial and municipal effluent treatment systems. It is highly effective in enhancing sedimentation, improving clarification rates, and reducing sludge volume.

### Application Areas

- Effluent Treatment Plants (ETPs)
- Industrial Wastewater Treatment
- Municipal Sewage Treatment
- Primary and Secondary Settling Tanks
- Paper & Pulp, Textile, Food Processing, and Chemical Industries

### Key Features & Benefits

- Rapid Settling: Facilitates faster sedimentation of suspended solids.
- Improved Clarification: Enhances the clarity of treated water.
- Sludge Reduction: Decreases sludge volume and handling costs.
- Compatible Formulation: Easily integrates with existing ETP dosing systems.
- Versatile Performance: Effective across a wide pH range and in varied effluent types.

### Physical & Chemical Properties

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

Shelf Life	24 months from date of manufacture (in original sealed packaging)
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### Handling & Storage

- Store in a cool, dry, and well-ventilated area.
- Avoid direct exposure to sunlight and moisture.
- Use appropriate PPE during handling to avoid skin or eye contact.

### Packaging

Available in 25 kg HDPE-lined kraft paper bags or as per customer requirements.

### Regulatory Compliance

- Non-hazardous under normal handling and usage.
- Complies with standard industrial effluent treatment norms.

### For further technical support, contact:

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