



## Technical Data Sheet (TDS)

Product Name: ASHAION® PE 462 AL

Product Type: Polyelectrolyte

Category: Anionic Polyelectrolyte (Low Molecular Weight)

### Product Description

ASHAION® PE 462 AL is a low molecular weight anionic polyelectrolyte designed for effective clarification in lighter effluent systems and compact effluent treatment plants (ETPs). It offers excellent settling performance, particularly in systems dealing with lower suspended solids and organic loads.

### Applications

- Primary clarification in small-scale ETPs
- Pre-treatment of industrial and domestic wastewater
- Settling of lighter suspended solids
- Clarification in food processing, textile, and dyeing industries

### Typical Properties

Property	Specification
Physical Appearance	White to off-white fine powder
Ionic Nature	Anionic
Molecular Weight	Low
Bulk Density	0.60 – 0.80 g/cm <sup>3</sup>
pH (1% Solution)	6.0 – 8.0
Solubility in Water	Completely soluble
Moisture Content	Max 10%

### Key Features

- Fast settling with low sludge volume
- Suitable for systems with light suspended matter

- Economical for small-scale applications
- Enhances clarity of treated water

### **Packaging**

- 25 kg HDPE bags with inner liner
- Custom packaging available on request

### **Storage & Handling**

- Store in a cool, dry, and ventilated area
- Avoid exposure to moisture and direct sunlight
- Keep away from strong oxidizing agents

### **Shelf Life**

24 months from the date of manufacture when stored in original, unopened packaging under recommended conditions

### **Safety & Precautions**

- Use appropriate personal protective equipment (PPE)
- Avoid inhalation of dust; use dust masks where necessary
- In case of contact with eyes or skin, rinse with clean water and seek medical attention if irritation persists

### **For technical support, please contact:**

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