



## Product Brochure / Sales Sheet

### ASHAION® PE 463 CH

High Molecular Weight Cationic Polyelectrolyte

For High-Sludge ETPs & DAF Systems

### Product Overview

ASHAION® PE 463 CH is a high-performance cationic polyelectrolyte developed specifically for use in effluent treatment applications involving high sludge content. Its high molecular weight and strong cationic charge enable superior flocculation and dewatering, making it ideal for Dissolved Air Flotation (DAF) units, sludge thickening, and clarification in both industrial and municipal treatment setups.

### Key Features

- ✓ High molecular weight for rapid sludge settling
- ✓ Excellent flocculation with strong cationic charge
- ✓ Improves sludge dewatering and reduces disposal cost
- ✓ Compatible with DAF systems and high-TSS effluents
- ✓ Fast-dissolving granular form for easy handling

### Recommended Applications

- High Sludge Effluent Treatment Plants (ETPs)
- Dissolved Air Flotation (DAF) Systems
- Municipal and Industrial Sewage Treatment
- Sludge Thickening and Dewatering
- Food, Dairy, Pulp & Paper, Textile Industry ETPs

### Typical Properties

Parameter	Value
Appearance	Off-white to beige granular powder
Ionic Nature	Cationic

Molecular Weight	High
pH (0.1% solution)	6.0 – 8.0
Solubility	Completely water soluble
Bulk Density	0.65 – 0.85 g/cm <sup>3</sup>

### Packaging & Storage

- Packing: 25 kg HDPE-lined moisture-resistant bags
- Shelf Life: 24 months in sealed, dry storage conditions
- Handling: Use gloves and dust masks during handling. Avoid moisture exposure.


### Why Choose ASHAION®?

Asha Resins Limited brings over two decades of experience in delivering quality water treatment solutions. ASHAION® PE 463 CH is backed by trusted quality, consistent performance, and technical support to help optimize your ETP operations.

### Contact Us

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