ASHA Resins Limited
(Formerly known as Asha Resins Private Limited)

Product Brochure / Sales Sheet

ASHAION® PE 464 CM

Cationic Polyelectrolyte for Sludge Dewatering & Flocculation

Product Overview

ASHAION® PE 464 CM is a medium charge cationic polyelectrolyte formulated to provide excellent flocculation and dewatering performance in sludge handling units. Its high binding efficiency and tailored charge density make it ideal for use in a wide range of municipal and industrial wastewater treatment applications.

Key Features

- Medium cationic charge – balanced performance across sludge types
- High molecular weight – efficient floc formation and settling
- Fast and effective water release – reduces sludge volume
- Performs well over a broad pH range
- Suitable for belt presses, centrifuges, filter presses, and DAF units

Applications

- Sludge dewatering in ETP/STP operations
- Sludge thickening prior to drying or disposal
- Solids removal in clarifiers and DAF systems
- Enhancing filter press cycle efficiency
- Used in paper mills, dairies, food processing, tanneries, and chemical industries

Technical Specifications

Property	Value
Appearance	Off-white to pale yellow powder
Ionic Nature	Cationic
Charge Density	Medium
Molecular Weight	Medium to High
Solubility	Completely soluble in water
pH (0.5% solution)	4.0 – 6.0
Packaging	10 kg / 25 kg HDPE-lined bags
Shelf Life	24 months from date of manufacture

Dosing Recommendations

- Typical dosage: 0.05% to 0.2% w/w depending on sludge type
- Dilute to 0.1%–0.3% solution prior to use
- For best results, use with dosing pump or inline mixing unit

Why Choose ASHAION® PE 464 CM?

- Consistent quality from ISO 9001:2015 certified plant
- Backed by expert technical support
- Available pan-India through authorized stockists
- Customized solutions for industry-specific needs

Safety & Handling

- Use protective gloves and eyewear
- Avoid inhalation of powder
- Refer to MSDS for full safety guidance

Manufactured by:

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