

سازمان
پژوهش و فناوری
کشاورزی



Zwitterionic Polyacrylamide (ZWAM)



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ABOUT US

Established in 2017, Kraft Chem Georgia LLC has rapidly emerged as a leading player in the chemicals, petrochemicals, and oil products industry. Strategically headquartered in Tbilisi, Georgia, we serve as a vital hub for expansive operations across the CIS region, the Middle East, and Europe. Our commitment to excellence, coupled with a robust network, has positioned us as a trusted and reputable entity in the market.

Kraft Chem Georgia LLC prides itself on delivering high-quality products and exceptional service. Our broad product portfolio includes industrial chemicals, petrochemicals, and oil products, all sourced from reputable manufacturers to ensure superior quality and reliability. We cater to a diverse range of industries, including manufacturing, pharmaceuticals, agriculture, and more.

Our operations are characterized by our extensive expertise in both import and export activities, facilitated by our deep understanding of international trade regulations and logistics. This expertise allows us to provide smooth and efficient transactions, ensuring that our clients receive their products on time and in perfect condition.

Our experienced staff forms the backbone of our operations. Comprised of seasoned professionals with deep industry knowledge, our team is dedicated to providing tailored solutions that meet the specific needs of our clients. This commitment to customer satisfaction ensures that we build long-term relationships based on trust and reliability.

Our regional network spans numerous countries in the CIS, the Middle East, and Europe, allowing us to offer localized solutions while maintaining global standards. This extensive reach enables us to respond quickly to market demands and provide our clients with the best possible service.

Kraft Chem Georgia LLC is also deeply committed to quality and sustainability. We adhere to stringent quality control measures at every stage of our operations, ensuring that our products meet international standards and specifications. Additionally, we conduct our business in an environmentally responsible manner, minimizing our environmental impact and promoting sustainable development in the regions we operate.

Our customer-centric approach sets us apart in the industry. We understand that each client has unique requirements, and our team works closely with customers to provide bespoke solutions that address their specific challenges and goals. From inquiry to delivery, our customer support team ensures a seamless experience, prioritizing long-term relationships built on trust and reliability.



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Zwitterionic Polyacrylamide (ZWAM)

Zwitterionic Polyacrylamide (ZWAM) - Powder

Zwitterionic Polyacrylamide (ZWAM) is a versatile polymer designed for specialized applications across a range of industries. With both cationic and anionic charges, ZWAM adapts seamlessly to variable pH systems, making it an ideal choice for processes requiring chemical stability and efficiency.

Chemical Formula

The unique structure of ZWAM provides its exceptional performance:



This composition allows for optimal interaction with diverse substances, contributing to its multi-functional capabilities.

Applications

ZWAM's adaptability and effectiveness make it suitable for a variety of industrial uses:

Wastewater Treatment

ZWAM is especially effective for treating high-solid-content sludge, providing enhanced flocculation and reducing treatment times. It works efficiently in neutral, acidic, or alkaline environments, improving overall system performance.

Textile Industry

In textile processing, ZWAM optimizes dyeing and finishing operations, ensuring vibrant colors and uniform results. Its unique properties minimize wastewater discharge and enhance the environmental sustainability of textile production.

Oil and Gas

ZWAM serves as a viscosifier in enhanced oil recovery, improving fluid mobility and extraction efficiency. Its performance under extreme conditions ensures reliable operation in drilling and production.

Mining

In mineral processing, ZWAM enhances solid-liquid separation, facilitating efficient recovery of valuable materials and reducing processing costs.

Agriculture

By reducing soil erosion and increasing water retention, ZWAM contributes to improved agricultural productivity. Its application supports sustainable farming practices, particularly in arid regions.

Paper Industry

ZWAM enhances retention and drainage during paper production, improving process efficiency and product quality.

KEY PROPERTIES

- **Dual Charge Compatibility:** Contains both anionic and cationic functionalities, making it adaptable to a wide range of systems.
- **High Molecular Weight:** Ensures superior flocculation and binding capabilities.
- **Environmental Stability:** Performs reliably in diverse environmental conditions.
- **Low Ionic Content:** Reduces interference with sensitive processes, ensuring consistent results.
- **Exceptional Viscosity:** Provides enhanced flow and performance in oil recovery and drilling fluids.

PACKAGING & STORAGE

To maintain product integrity and ensure ease of handling, ZWAM is carefully packaged:

Packaging Options:

- Kraft paper bags with inner plastic liner (25 kg or 20 kg).
- PE drums or 1000 L IBC tanks for specific needs.

Shelf Life:

- 2 years under proper storage conditions.

Transportation:

- Classified as non-dangerous goods, ZWAM is safe and compliant for global shipping requirements.

Storage Guidelines:

- Store in a cool, dry place away from direct sunlight.
- Keep the packaging sealed to prevent moisture absorption.

CONTACT US:



For more information about our products and services, please visit our website or contact us directly. We look forward to collaborating with you and contributing to your success.

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