ELONMEK
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Technical Data Sheet
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618G / 2803AG High-Efficiency Silicone-Free Powder Defoamer

Grades: 618G, 2803AG · Form: Solid powder (silicone-free) · Chemistry group: Silicone & Ether

1. Product description

Silicone-free powder defoamer built around modified polyoxyethylene ethers, formulated for cationic starch processes and other powder systems where silicone is not permitted.

2. Typical properties

Property	618G	2803AG
Appearance	White powder	Powder silicone-free
Active content	20.0±1.0	30.0±1.0
pH	6.0-8.5	6.0-8.5

Values in the table are typical and indicative. They describe the grade as normally supplied and are not a contractual specification; the values confirmed for your order are those stated on the order confirmation.

3. Typical applications

Cationic starch production · Starch and adhesives · Powdered chemical auxiliaries · Dyeing and finishing · Water treatment · Cleaning agents

4. Product characteristics

· Silicone-free
· Fast foam-breaking speed
· Long inhibition period
· Stable in high-electrolyte, acid, alkali and high-shear systems
· Low cost per unit of active

5. Addition and dilution

Typical addition is 0.05–0.5 % on the weight of the foaming system, established in your own trial at process temperature. Emulsion grades are normally diluted with water before addition and added continuously where the foam forms continuously. Diluted emulsions are used within the working shift; do not store them long term.

6. Packaging and storage

Supplied in the packing agreed for the order — drums, IBC totes or composite cartons for powder grades. Store in the closed original packing, out of direct sunlight, within 5–35 °C, and protect emulsions from freezing. Shelf life is stated on the product label; batches are traceable by lot number.

7. Safety and documentation

A model-specific GHS safety data sheet is issued on request for every model listed above; it is not reproduced here because classification follows the exact grade and the destination regulation. Handling guidance for the family: avoid eye and skin contact, use gloves and goggles, ensure ventilation, and do not discharge concentrates to drains.

8. Contact

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Issued by the ElonMek technical team, Tianjin. This sheet is provided for product introduction and evaluation; it does not constitute a warranty or a delivery commitment.