ELONMEK
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Technical Data Sheet
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118G / 208G / 418G High-Efficiency Silicone Powder Defoamer

Grades: 118G, 208G, 418G · Form: Solid powder · Chemistry group: Silicone & Ether

1. Product description

Silicone powder defoamer for dry-mix systems. Because the active is carried on a solid carrier, it survives high electrolyte, strong acid, strong alkali and high shear. Where ordinary silicone emulsions break down.

2. Typical properties

Property	118G	208G	418G
Appearance	White powder	White granules	White granules
Active content	20.0±1.0	20.0±1.0	20.0±1.0
pH	6.0-8.5	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

Chemical cleaning · Wastewater treatment · Industrial cooling water · Cement · Chemical processing · Powdered detergent and cleaning agents · Dyeing and finishing auxiliaries · Metal-processing auxiliaries

4. Product characteristics

· Fast foam-breaking speed
· Long inhibition period
· Works in high-electrolyte, acid, alkali and high-shear systems
· Blends straight into dry powders
· Low moisture content: stable in storage and transport

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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