ELONMEK
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Technical Data Sheet
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CP-02 / CP-04 Silane High-Efficiency Defoamer

Grades: CP-02, CP-04 · Form: Emulsion · Chemistry group: Silicone & Ether

1. Product description

Multifunctional siloxane-silicate defoamer with good water solubility, a stable emulsion, strong alkali resistance and low dosage. Break and inhibit in one product.

2. Typical properties

Property	CP-02	CP-04
Appearance	White emulsion	White emulsion
Active content	20.0±1.0	40.0±1.0
Viscosity (25 °C, mPa·s)	500-2500	800-3500
pH	6.0-8.0	6.0-8.0
Ionic type	Non-ionic	Non-ionic

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

Metal cutting fluids · Metal cleaning · Oil and grinding fluids · Alkaline cleaning · Textile and dyeing · Emulsion polymerisation · Industrial cooling water · Water treatment

4. Product characteristics

· Excellent water solubility
· Stable emulsion
· Fast break and long inhibition
· Strong alkali resistance
· Low dosage
· Broad industry range

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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