ELONMEK
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Technical Data Sheet
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681F High-Temperature Self-Emulsifying Oilfield Defoamer

Grades: 681F · Form: Self-emulsifying emulsion (≥45% active) · Chemistry group: Oilfield-Grade

1. Product description

Co-developed with major domestic oilfields. Self-emulsifying, no oil-ring and no floating solids after high-temperature water dilution, and it stays layered-free on long storage.

2. Typical properties

Property	681F
Appearance	White emulsion
Active content	≥45.0
Viscosity (25 °C, mPa·s)	600-2500
Ionic type	Water-soluble 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

Crude oil extraction · Filtration and gathering · Seawater desalination · Microbiological water treatment · Mining and screening separation · High-salinity, high-water-cut and high-pressure wells · Offshore platform production

4. Product characteristics

· Excellent self-emulsifying and water-dilution behaviour
· No oil ring and no suspended solids after high-temperature dilution
· Does not break emulsion; no separation on long storage
· Environmentally friendly, no pollution, with viscosity reduction
· Structure can be tuned to the foam system
· Better inhibition at higher liquid temperature

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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