ELONMEK
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Technical Data Sheet
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F-37 / F391 High-Efficiency Oilfield Defoamer

Grades: F-37, F391 · Form: Water-soluble modified silicone polyether · Chemistry group: Oilfield-Grade

1. Product description

Modified silicone polyether for crude production, transport, refining and delayed coking. Low silicone content, high flash point, low dosage, and a strong safety profile.

2. Typical properties

Property	F-37	F391
Appearance	Colourless to pale yellow oily liquid, slight alcoholic odour	Colourless to pale yellow oily liquid, slight alcoholic odour
Active content	≥95.0	≥90.0
Viscosity (25 °C, mPa·s)	100-1000	100-1000
pH	5.0-7.5	5.0-7.5
Density (g/cm³)	0.95-1.05	0.95-1.05
Flash point (°C)	■80	■80

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 · Oil-water separation in gas fields · Offshore platform production · Refining · Vacuum residue delayed coking

4. Product characteristics

· Rapid foam elimination in extraction and refining
· Low-foaming and strong emulsifying power
· Resists high and low temperature
· Intrinsic foam-control ability
· Low silicone content for reliable product safety
· Flash point above 80 °C

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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