ELONMEK
Tianjin Yining Meike Fine Chemical Co., Ltd.
No.197 Yuguan Road, Hebei District, Tianjin 300400, China

Technical Data Sheet
www.elonmek.com
fwj.tjs@gmail.com

F37 Modified Silicone Polyether

Grades: F37 · Form: Water-soluble liquid (≥95% active) · Chemistry group: Defoamer Raw Materials

1. Product description

Base chemistry for defoamer manufacturing: allyl ethers of varying HLB grafted onto low-hydrogen silicone with high-cloud-point polyoxyethylene ether. Water-soluble, low silicone, high flash point.

2. Typical properties

Property	F37
Appearance	Transparent to pale yellow oily liquid, slight alcoholic odour
Active content	≥95.0
Viscosity (25 °C, mPa·s)	100-1000
pH	5.0-7.5
Density (g/cm³)	0.95-1.05
Flash point (°C)	■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

Defoamer manufacturing · Crude oil extraction · Refining and delayed coking · Gas field and offshore production

4. Product characteristics

· Low-foaming and strong emulsifying power
· Resists high and low temperature
· Intrinsic foam-control ability
· Low silicone content, 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

Tianjin Yining Meike Fine Chemical Co., Ltd.
No.197 Yuguan Road, Hebei District, Tianjin 300400, China
Email: fwj.tjs@gmail.com · Tel / WhatsApp: +86 185 2653 6999
Website: www.elonmek.com/contact — samples and application review on request.

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