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

YD291 / 292 / 393 High-Efficiency Crude Oil Defoamer

Grades: YD291, 292, 393 · Form: Water-soluble liquid · Chemistry group: Oilfield-Grade

1. Product description

Three models of water-soluble grafted polyether-siloxane compounds blended for crude production, transport, refining and delayed coking. Fast knock-down at low dosage.

2. Typical properties

Property	YD291	292	393
Appearance	Transparent oily liquid, slight alcoholic odour	Slightly transparent viscous liquid	Transparent oily liquid
Active content	≥90.0	≥80.0	≥80.0
Viscosity (25 °C, mPa·s)	80-800	200-1500	50-200
pH	5.0-7.0	5.0-7.5	5.0-7.5
Density (g/cm³)	0.95-1.05	1.01	0.90-0.95

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 · Gas field and offshore platform production · Oil-water separation · Refining · Vacuum residue delayed coking

4. Product characteristics

· Rapid foam elimination across the crude value chain
· Low dosage, high effectiveness
· Long-lasting inhibition
· Low silicone content for product safety
· Three viscosity grades for different crudes

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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