ELONMEK
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Technical Data Sheet
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YL20 / YL30 / YL50 Polyether Ester Defoamer

Grades: YL20, YL30, YL50 · Form: Polyether ester · Chemistry group: Mineral Oil & Polyether Ester

1. Product description

Waterborne defoamer made by esterifying polyether with fatty acid, in three viscosity grades. Strong general compatibility and long-lasting inhibition without film defects.

2. Typical properties

Property	YL20	YL30	YL50
Appearance	Pale yellow oily liquid	Pale yellow oily liquid	Pale yellow oily liquid
Active content	≥99.0	≥99.0	≥99.0
Viscosity (25 °C, mPa·s)	100-1000	100-1000	100-1000
Ionic type	Non-ionic	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

Landfill leachate · Power plant FGD · Biopharmaceutical · Microbial fermentation · Synthetic lubricating oil · Chemical fibre · Pulp and paper · Dyeing and printing

4. Product characteristics

· Strong general compatibility
· Effective foam break
· Excellent persistence
· No surface defects
· Three viscosity grades

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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