ELONMEK
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Technical Data Sheet
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ND120F / 120Z High-Temperature Silicone Emulsion Defoamer

Grades: ND120F, 120Z · Form: Silicone emulsion · Chemistry group: Silicone & Ether

1. Product description

High-temperature silicone emulsion defoamer rated to 130 °C. The direct alternative to imported high-temperature grades for jet dyeing, impregnation padder and other hot, high-shear processes.

2. Typical properties

Property	ND120F	120Z
Appearance	White emulsion	White emulsion
Active content	22.0±1.0	22.0±1.0
Viscosity (25 °C, mPa·s)	400-2000	400-2000
pH	6.0-8.0	6.0-8.0
Ionic type	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

High-temperature polyester dyeing · Jet dyeing and impregnation padding · Polyester/cotton reactive and disperse dyeing · Emulsified oils · Metal cutting fluids · Antifreeze / coolant

4. Product characteristics

· Stable up to 130 °C
· Efficient, sustained foam control
· Disperses readily in aqueous systems
· High-shear stability
· Dilution-stable, no oil-ring

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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Issued by the ElonMek technical team, Tianjin. This sheet is provided for product introduction and evaluation; it does not constitute a warranty or a delivery commitment.