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

F45 / F55G / F623 Silicone Polyether

Grades: F45, F55G, F623 · Form: Silicone polyether (≥98% solids) · Chemistry group: Defoamer Raw Materials

1. Product description

Unsaturated allyl ethers of varying HLB grafted onto low-hydrogen silicone oil. Low-foaming, strong emulsifying power, temperature-resistant and self-defoaming.

2. Typical properties

Property	F45	F55G	F623
Solids	≥98.0%	≥98.0%	≥98.0%
Viscosity (25 °C, mPa·s)	400-2000	1000-8000	1000-4500
pH	5.5-7.5	5.5-7.5	5.5-7.5

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 · Surfactant formulations · Industrial cleaning

4. Product characteristics

· Low-foaming
· Strong emulsifying power
· Resists high and low temperature
· Intrinsic foam-control ability
· Usable as a surfactant

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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