ELONMEK
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Technical Data Sheet
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Methyl MQ Silicone Resin

Grades: Methyl MQ Resin · Form: White granules or powder (≥99% MQ content) · Chemistry group: Defoamer Raw Materials

1. Product description

A three-dimensional (non-linear) silicone material built on an Si–O backbone, with molecular weight 1000–8000. Serviceable from –60 °C to +300 °C.

2. Typical properties

Property	Methyl MQ Resin
MQ content	≥99.0%
MQ ratio (M : Q)	6 : 7 – 7.5
Appearance	White granules or powder
Molecular weight	1000 – 8000

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 coatings and H-class motor insulation · Waterproof coatings · Lipstick and cosmetic formulations · Pressure-sensitive adhesives as peel-force modifier · Release agents · Tackifiers for inorganic-organic composites · Silicone rubber reinforcement · Sealants and potting compounds

4. Product characteristics

· Serviceable from –60 °C to +300 °C
· Good film-forming and moderate flexibility
· Ageing and UV resistant
· Functional additive that improves defoamer high/low-temperature resistance

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.