ELONMEK
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Technical Data Sheet
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P2011Y / P62A High-Efficiency Fluorosilicone Emulsion Defoamer

Grades: P2011Y, P62A · Form: Fluorosilicone emulsion · Chemistry group: Silicone & Ether

1. Product description

Fluorosilicone compound developed specifically for water-based cutting fluids and water-based lubricants. Less than 0.1% dosage keeps foam suppressed for up to 100 hours.

2. Typical properties

Property	P2011Y	P62A
Appearance	White emulsion	White emulsion
Active content	45.0±1.0	30.0±1.0
Viscosity (25 °C, mPa·s)	500-3500	600-4000
pH	6.0-8.0	6.0-8.0

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

Water-based cutting fluids · Water-based lubricants · Emulsified oils · Metal processing · Textile

4. Product characteristics

· Continuous inhibition up to 100 hours at <0.1% dosage
· No sediment, no floating oil
· Does not impair clarity
· Strong alkali and acid resistance
· High-temperature stable

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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