



Silfluo LR-E212

Silicone Resin Emulsion

Description

Silfluo LR-E212 is a non-ionic methyl MQ silicone resin emulsion supplied at 60% active content, water-dilutable to the required application concentration. The emulsion provides high-temperature resistance and wetting and spreading properties on mold surfaces, depositing an active silicone film after water evaporation that functions as a release layer for polyurethane demolding.

Typical Technical Properties:

Silfluo Code:	LR-E212
Chemical Name:	Non-Ionic Methyl MQ Silicone Resin Emulsion
Synonyms:	Silicone Resin Emulsion, Water-Based Mold Release Agent
Appearance	Milky white liquid
Viscosity(25°C, cp)	≧ 5000
Solid content (150°C, 2h, %)	60±2
Stability (3000rpm, 30min)	Stable, non-stratified

Application

Polyurethane Demolding

Used as a water-based release agent for demolding of polyurethane molded components.

Usage Reference

LR-E212 is supplied at 60% active content. Dilute with water to 1–10% concentration before application, depending on mold geometry, surface area, and required release performance. Apply by spraying or brushing uniformly onto the mold surface. Allow water to evaporate completely before closing the mold — the active silicone film remaining after evaporation provides the release function. Reapply after 1–5 demolding cycles depending on mold complexity and release performance observed.

As a general guideline, the recommended initial application rate is 5 g of the 60% emulsion per 1,000 cm² of mold surface. Adjust based on mold shape, size, and actual release performance.

Package &Storage:

In 200kg and 50kg plastic drums; Stored in a cool and dry environment at 5~36 °C, and the shelf life is 6 months from the date of production(can still be used if the product is qualified after the expiration date).