



RUMSIL 576 Emulsion

Water-Based PU Release Agent

COMPOSITION

High-solids polysiloxane water emulsion

TYPICAL PROPERTIES

Property	Unit	Result
Appearance		White, emulsion
pH (contains 1% water)		6-8
Ionic type		Nonionic
Solvent (Thinner)		Cold water
Solids content		20%
Specific Gravity at 25°C (77°F)	g/ml	≈ 1.0

FEATURES & BENEFITS

This product has good water dilutability and thermal stability, as well as excellent wetting and spreading properties. It also offers outstanding chemical stability, is non-toxic and non-corrosive, and can be used after dilution by spraying, dipping, or wiping. The mold does not need to be cleaned before film coating, and the product leaves no residue on metal molds.

Applications

RUMSIL 576 emulsion can be used as a release agent for small honeycomb-type polyurethane molded parts, such as polyurethane shoe soles, automotive bumpers, shock pads, dashboards, and furniture components. It is highly efficient, stable, and suitable for a wide range of applications.

Directions for Use

RUMSIL 576 emulsion is a 20% concentration silicone emulsion. Users may prepare an appropriate working concentration according to their own needs. Under normal conditions, it is diluted to 1–10% and applied to the mold surface by spraying or brushing. Reapply once after every one to five molding cycles. For best results, allow the water on the mold surface to evaporate completely, leaving a thin silicone film. The amount used depends on the mold shape and size. A recommended starting amount is 50 g of this emulsion per square meter.

PACKAGING & STORAGE

Packed in 50 kg, 120 kg, and 200 kg plastic drums. Store sealed at room temperature. Shelf life is six months.