

SILICONE EMULSION

Product Bulletin



TC-MAGIC 3090

INCI Name

Cetyl PEG/PPG-10/1 Demethicone

Description

TC-MAGIC 3090 is a modified silicone which contains alkyl and Polyoxyethylene, a kind of Rake type polyether product. As an excellent W/O & W/Si emulsion, good compatibility in different kinds of formula, can be prepared under both cool or hot conditions, can be compound with different kinds of silicone, synthetic grease, plant oil and sun-screening agent. Also able to make up emulsion with different viscosity varies from different percentage of oil and water phase. It overs 90% of water phase in the emulsion, feeling fresh instead of oily.

Specification

Item	Index
Appearance	Colorless transparent - light yellow liquid
Odor	none
Density(25°C)	0.915-0.945
Viscosity(25°C,mPa.s)	1100-2600
Refractive index(25°C)	1.4430-1.4595
volatile component (105°C,2h,%)	≤5
HLB value	4.5

Above index only indicate typical specification, which cannot be used as product specifications.

Properties

- ✧ Excellent emulsifiability, water-resistance
- ✧ Prepare under hot & cold conditions, good stability
- ✧ Feeling fresh instead of oily
- ✧ Good compatibility in different kinds of formula
- ✧ Good compatibility with different kinds of oil with high content, even sun screen agent

Application

- ✧ Make up cream, emulsion and gel under

W/Si, W/O, W/O/W or O/W/O system

- ✧ Make up sunscreen cream under W/Si or W/O system
- ✧ Used in foundation, BB cream, isolated base makeup, mascara, eye shadow and other colorful cosmetics as pigment dispersant.

Recommend Dosage

0.1-10%

Compatibility

Any kinds of oil, wax or sun screen agent with high content.

Storage & Validity

24 months under 40°C in original packing.

Standard Packing

18kg, 180kg/drum

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