



Weightless Liquid Foundation (CC F-016 v2)

A “zero gravity” liquid foundation that feels virtually weightless yet provides full, even coverage. Best of all, it still remains completely stable despite how lightweight it feels.

Applecare PDS 300 evenly distributes highly- loaded mineral UV filters to provide a smooth sensory with UV-blocking effects. It greatly reduces the tacky after- feel.

G-GEL Silkane is an organoclay gel designed for silicone-replacement materials. It greatly boosts suspension and sensory of color pigments, making it a crucial ingredient in stabilizing color cosmetic formulas.

Specifications

- 🍏 Yield Stress: 88,930 cP
- 🍏 Viscosity at 5 rpm: 3.664cP
- 🍏 50°C oven: 1 month stable

PHASE	INCI NAME (TRADE NAME)	USAGE (WT%)
A	Distilled Water	30.0
	Sodium Chloride	1.00
	Glycerine	3.00
	Preservative	0.20
B	Butylene Glycol Dicaprylate/Dicaprate	3.00
	Titanium Dioxide	12.53
	Yellow Iron Oxide	1.97
	Red Iron Oxide	0.34
	Black Iron Oxide	0.18
	Applecare PDS 300	1.20
C	G-Gel Silkane	10.0
	Polymethylsilsesquioxane (SilForm Flexible Resin)	0.65
	Polydimethylsiloxane (DC 200 Fluid)	0.15
	Isododecane	15.2
D	Isododecane	4.00
	PEG-10 Dimethicone (KF-6017)	1.00
	Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone (KF-6038)	3.00
E	HDI/Trimethylol Hexyllactone Crosspolymer (and) Silica (BPD-500)	6.50
	Nylon-12 (SP-500)	4.50

Processing Method

- Mix Phase A ingredients until uniform and set aside.
- Mix Phase B by dispersion blade at 800 rpm while heating to 85°C for 30 minutes. Then pass Phase B through 3-roll mill twice (first at gap ratio 7:3, then 3:1).
- Add Phase C ingredients to Phase B and mix with dispersion blade for 15 minutes at 800 rpm
- In a separate container, mix Phase D until uniform. Then add Phase D to main phase and continue mixing with dispersion blade for 5 minutes at 800 rpm.
- Add Phase A slowly to main phase while mixing, increasing speed as necessary. Homogenize with Silverson Homogenizer for 5 minutes at 4500 rpm.
- Move main phase back to dispersion blade and add Phase E while mixing for 5 minutes at 1000 pm.

Create Possibilities

EDITION: APRIL 2019
REF #: AK 1904-47