

Cosmetics

RR 8034

Baycusan® C 1004

Long Wear Water-in-Silicone Foundation

% by wt.

Phase A	Dimethicone ¹⁾	11.00
	Laureth-9	1.50
	Trimethylsiloxysilicate	3.00
	Propylparaben	0.20
	Methylparaben	0.20
	Trihydroxystearin	2.00
Phase A 1	Magnesium Stearate	1.00
Phase A 2	Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone ²⁾	23.00
Phase A 3	Titanium Dioxide (and) Methicone ³⁾	8.25
	Iron Oxides (and) Methicone ⁴⁾	2.00
	Iron Oxides (and) Methicone ⁵⁾	0.59
	Iron Oxides (and) Methicone ⁶⁾	0.12
Phase A 4	Cyclopentasiloxane ⁷⁾	13.00
Phase B	Water	21.19
	Diazolidinyl Urea	0.25
	Magnesium Sulfate	0.70
Phase B 1	Baycusan® C 1004	12.00
		100.00

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Raw materials

- 1) Dow Corning® 200/100, Dow Corning
- 2) Dow Corning® 5225 C formulation Aid, Dow Corning
- 3) A310.35 Tudor Aspen, Kingfisher Colours
- 4) A407.30 Tudor Willow Hydrophobic, Kingfisher Colours
- 5) A405.30 Tudor Chestnut Hydrophobic, Kingfisher Colours
- 6) A401.30 Tudor Ebony Hydrophobic, Kingfisher Colours
- 7) SF 1202, Momentive Performance Materials

Processing

Melt ingredients (A) in the main vessel by heating to 85°C under gentle mixing. When the temperature is reached, homogenize under vacuum for 5 minutes.

Add (A1) and keep the phase to 85°C, while homogenizing under vacuum for 5 minutes. Cool to 65 - 70°C, then add (A2) while mixing for 5 minutes.

Add ingredients (A3) then homogenize under vacuum for 15 minutes, while keeping the phase at 65° - 70°C . Then, add (A4) while mixing for 5 minutes under vacuum. In a lateral vessel insert the ingredients of Phase (B) while mixing for 5 min after each addition. Then heat the Phase to 65° - 70°C.

Add, very slowly, Phase (B) to Phase (A-A4) while homogenizing, under vacuum, and keep such conditions for 10 min.

Cool to 40°C, then add (B1) while homogenizing, under vacuum, for 10 min.

Cool to room temperature while mixing.

Notes

Appearance :	cream
Density (at 20°C)	= 1.07 ± 0.02 g/mL
Viscosity (Brookfield RVT, 25°C, 2.5 rpm)	= 84,000 ± 8,000 mPa.s
Viscosity (Brookfield RVT, 25°C, 5 rpm)	= 46,000 ± 5,000 mPa.s

The above formulation is intended solely as a guide for our business partners and others interested in our products. Further, although the ingredients, quantities thereof and properties of compounds or finished goods mentioned herein reflect our recommendation at the time of publication, this guide may not be subject to continuous review and/or updating, and you agree that use is undertaken at your sole risk. All information is given without warranty or guarantee, and it is expressly understood and agreed that you assume, and hereby expressly release us from, all liability, in tort, contract or otherwise, incurred in connection with the use of this guide.

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