

Prototype Formulation for Car Polish

Auto Care Formulation Information

Low-Solvent Liquid Polish

Formulation reference: PW-340



AV09029

Description

This low-solvent liquid polish uses a blend of silicone fluids to achieve shine and ease of use. The silicone resin helps to improve water repellency.

Ingredient	Weight %	Trade Name/Supplier
Phase A		
Low aromatic solvent	9.0	Exxon Chemicals Ltd. Shell Chemicals Ltd.
200/250°C		
<i>Dow Corning</i> ® 2-5088 Wax	1.5	Dow Corning Corp.
XIAMETER® PMX-200	1.5	Dow Corning Corp.
Silicone Fluid, 350 cSt		
XIAMETER® PMX-200	0.5	Dow Corning Corp.
Silicone Fluid, 1,000 cSt		
XIAMETER® PMX-200	0.5	Dow Corning Corp.
Silicone Fluid, 12,500 cSt		
<i>Dow Corning</i> ® 593 Fluid	1.5	Dow Corning Corp.
<i>Span</i> ® 80	0.3	Croda/Uniqema
Phase B		
Water	71.3	
<i>Kaopolite</i> ® SF	11.6	Kaopolite, Inc.
<i>Tween</i> ® 80	0.9	Croda/Uniqema
Acrylic thickener	0.2	Lubrizol/Noveon
Phase C		
Triethanolamine	0.2	

Procedure

- 1) Mix phase A ingredients with heat to 70°C in an auxiliary vessel using low shear.
- 2) Mix phase B ingredients in the main vessel at 70°C with low shear.
- 3) Add phase A to phase B under high shear and cool.
- 4) Add phase C ingredient with low shear.

Typical Properties/Additional Information

Suggestions for adjusting the formulation:

- To improve durability: Replace *Dow Corning* 593 Fluid with *Dow Corning*® 2-9118 at 2.0% or XIAMETER® OFX-8630 Fluid at 1.0%

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Visit dowcorning.com/autocare for additional information.

See Auto Care Raw Material Supplier Reference Sheet (Form No. 26-1064) for the role of the raw material and supplier information.

Two Brands to Serve You

In addition to the *Dow Corning*[®] brand specialty materials and services showcased in this document, Dow Corning Corporation offers over 2,100 standard silicone products under its XIAMETER[®] brand, backed by the same quality and supply you've come to expect from Dow Corning. Visit xiameter.com to learn more about additional silicone options available from XIAMETER brand.

Contact Information

dowcorning.com/ContactUs

xiameter.com

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