

# Prototype Formulation for Car Polish

## Auto Care Formulation Information

### Polish

Formulation reference: PW-350



AV09029

### Description

The combination of silicone fluids and a silicone resin gives an easy-to-use polish product that resists weathering. This product also features excellent gloss and color.

| Ingredient  | Weight % | Trade Name/Supplier                          |
|---|----------|--|
| <b>Phase A</b>                                    |          |  |
| 1. Low aromatic solvent<br>160/190°C              | 14.0     | Exxon Chemicals Ltd.<br>Shell Chemicals Ltd. |
| 2. Low aromatic solvent<br>200/250°C              | 10.0     | Exxon Chemicals Ltd.<br>Shell Chemicals Ltd. |
| 3. XIAMETER® PMX-200<br>Silicone Fluid, 350 cSt   | 1.2      | Dow Corning Corp.                            |
| 4. XIAMETER® PMX-200<br>Silicone Fluid, 1,000 cSt | 0.6      | Dow Corning Corp.                            |
| 5. Dow Corning® 3527 Fluid                        | 1.6      | Dow Corning Corp.                            |
| 6. Dow Corning® 2-5088 Wax                        | 1.5      | Dow Corning Corp.                            |
| <b>Phase B</b>                                    |          |  |
| 7. Water  | 57.0     |  |
| 8. Alcan® SF7                                     | 12.4     | Alcan Chemicals                              |
| 9. Crodamet® T8                                   | 1.3      | Croda Ltd.                                   |
| 10. Cellulose thickener                           | 0.9      | Hercules Ltd.                                |

### Procedure

- 1) Heat phase A ingredients to 70°C in an auxiliary vessel using low shear.
- 2) Add ingredients 7–9 to the main vessel, heating to 70°C with low shear.
- 3) Slowly add ingredient 10 and stir until dispersed.
- 4) Add Phase A and Phase B with high shear.
- 5) Cool to ambient temperature.

### Typical Properties/Additional Information

Suggestions for adjusting the formulation:

- To improve gloss: Increase XIAMETER PMX-200 Silicone Fluid, 1,000 cSt, to 1.0%

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Visit [dowcorning.com/autocare](http://dowcorning.com/autocare) for additional information.

- To improve color: Incorporate XIAMETER® PMX-200 Silicone Fluid, 12,500 cSt, at 0.5%
- To improve durability: Incorporate *Dow Corning*® 2-9118 at 2.0% instead of *Dow Corning* 3527 Fluid
- *Alcan* SF7 can be replaced by other aluminum trihydroxides such as *Almatis Hydral*® 710

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

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## Contact Information

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