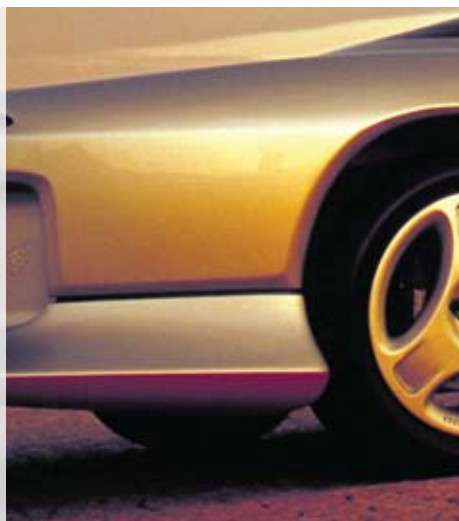


Prototype Formulation for Car Polish

Auto Care Formulation Information

Paintable Polish

Formulation reference: PP-930



AV09029

Description

This paintable polish is specifically formulated for use in garages and body shops where polydimethylsiloxanes could give rise to recoatability problems.

Ingredient	Weight %	Trade Name/Supplier
Phase A		
1. Low aromatic solvent 160/190°C	30.0	Exxon Chemicals Ltd. Shell Chemicals Ltd.
2. Paraffin wax	0.5	Suter & Co Ltd.
3. <i>Dow Corning</i> ® 2-5088 Wax	3.0	Dow Corning Corp.
4. <i>Span</i> ® 80	0.4	Croda/Uniqema
5. <i>Dow Corning</i> ® 203 Fluid	0.5	Dow Corning Corp.
Phase B		
6. Water	50.6	
7. <i>Sillit</i> ® Z.86	5.0	Hoffmann Minerals
8. <i>Alcan</i> ® SF7	7.0	Alcan Chemicals
9. <i>Tween</i> ® 80	1.1	Croda/Uniqema
Phase C		
10. Cellulose thickener	0.9	Hercules Ltd.

Procedure

- 1) Heat ingredients 1–3 to 70°C in an auxiliary vessel to dissolve the wax with low-speed stirring.
- 2) Add ingredients 4 and 5.
- 3) In the main vessel, mix phase B ingredients while heating to 70°C.
- 4) Add phase A to phase B with high shear, then start to cool.
- 5) Add phase C ingredient under low shear.

Typical Properties/Additional Information

Suggestions for adjusting the formulation:

- To improve ease of use: Increase *Dow Corning* 203 Fluid to 1.0%
- To improve durability: Increase *Dow Corning* 2-5088 Wax to 4.0%
- *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.

Visit dowcorning.com/autocare for additional information.

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Contact Information

dowcorning.com/ContactUs

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