

Prototype Formulation for Automotive Wax

Auto Care Formulation Information

Wax Conditioner

Formulation reference: PW-390



AV09029

Description

This formulation produces a traditional high-wax-content polish, typically used by classic car owners. This polish is suitable for cleaned paintwork, but also can be used on wood dashboards and chrome bumpers. The silicone wax contributes to durability of the product, with the silicone resin aiding leveling characteristics.

Ingredient	Weight %	Trade Name/Supplier
Low aromatic solvent 160/190°C	52.5	Odorless mineral spirits
Low aromatic solvent 200/250°C	18.6	Low-odor base solvent or #460 solvent
Carnauba wax	6.4	
Paraffin wax	12.5	
<i>Dow Corning</i> ® 2-5088 Wax	4.9	Dow Corning Corp.
<i>Rocsol</i> ® C wax	2.0	Croda Ltd.
Polyethylene wax AC 629	1.7	Allied Corp. Int.
<i>Dow Corning</i> ® 593 Fluid	1.4	Dow Corning Corp.

Procedure

- 1) Add all products to a vessel and heat to 110°C with slow-speed stirring. Mix until uniform.
- 2) Cool to filling temperature.

Typical Properties/Additional Information

Suggestions for adjusting the formulation:

- To improve gloss: Incorporate XIAMETER® PMX-200 Silicone Fluid, 1,000 cSt, instead of *Dow Corning* 593 Fluid
- To improve ease of use: Incorporate 1-3.0% XIAMETER® PMX-200 Silicone Fluid, 350 cSt, or increase level of *Dow Corning* 593 Fluid
- To improve color intensity: Incorporate 0.5-1.0% XIAMETER® PMX-200 Silicone Fluid, 12,500 cSt
- To improve durability: Increase level of *Dow Corning* 2-5088 Wax, reducing the level of the paraffin wax by the same amount, or incorporate XIAMETER® OFX-0536 Fluid or *Dow Corning*® 2-9118 Fluid as a replacement for *Dow Corning* 593 Fluid

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See Auto Care Raw Material Supplier Reference Sheet (Form No. 26-1064-01) for the role of the raw material and supplier information.

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Contact Information

dowcorning.com/ContactUs

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Printed in USA

AGP9902

Form No. 26-1617A-01

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