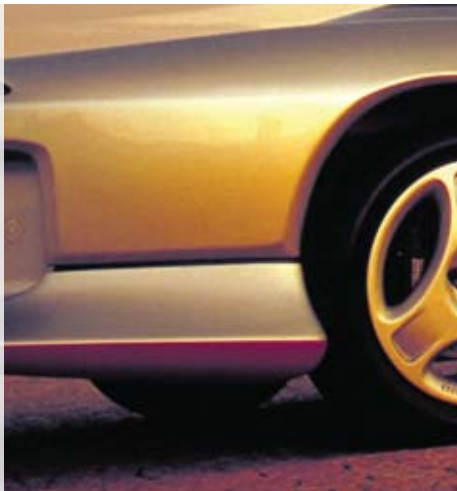


# Prototype Formulation for Durable Polish

## Auto Care Formulation Information

### High-Gloss Automotive Cream Wax for Professional Detailing

Formulation reference: PW-304



AV09029

### Description

This automotive cream wax was created and balanced with *Dow Corning*<sup>®</sup> brand silicone fluids resulting in a high-gloss, durable, and easy-to-apply wax. In addition, this product exhibits cleaning and high-wetting properties leaving a soft film on a metallic surface. *Dow Corning*<sup>®</sup> 531 Fluid adds long-lasting protection to the wax film. *Dow Corning*<sup>®</sup> 3037 Resin is a phenyl resin that provides outstanding and persistent shine. This formula is appropriate for professionals.

Ingredient	Weight %	Trade Name/Supplier
1. Water	62.2	
2. Xanthan gum	0.3	<i>Keltrol</i> <sup>®</sup> F/CP Kelco
3. Stearic acid	2	
4. Hallstar PEG 6000 DS	1	Hallstar
5. Sodium hydroxide @ 50%	0.4	
6. Kerosene	15	
7. Carnuba wax emulsion @ 35%	4	
8. XIAMETER <sup>®</sup> PMX-200 Silicone Fluid, 100 cSt	4	Dow Corning Corp.
9. <i>Dow Corning</i> 3037 Resin	2	Dow Corning Corp.
10. <i>Dow Corning</i> 531 Fluid	1	Dow Corning Corp.
11. <i>Kaopolite</i> <sup>®</sup> 1152	8	Kapolite, Inc.
12. <i>Kathon</i> <sup>™</sup> LX	0.1	Rohm & Haas Co.

### Procedure

- 1) Place ingredient 1 in a vessel.
- 2) Add ingredient 2 to the vessel at room temperature and stir until uniform.
- 3) Add ingredients 3 and 4 and heat to 65°C to reach the melting point.
- 4) Add ingredient 5 under agitation and cool to 35°C.
- 5) Add ingredient 6 and stir for 10 minutes.
- 6) Add ingredients 7–11 under agitation in the listed order one at a time until uniform.
- 7) Add ingredient 12 and stir for 10 minutes more.

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

## Typical Properties/Additional Information

**Directions:** For good results, apply the product in circles. Do one section at a time. When haze appears, buff with a soft and clean cloth or cotton. If paste-like consistency is required, the xanthan gum can be replaced with the acrylic polymer *Carbopol*<sup>®</sup> 941 from Lubrizol (Noveon division).

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

## Contact Information

[dowcorning.com/ContactUs](http://dowcorning.com/ContactUs)

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