

Prototype Formulation for Automotive Wax

Auto Care Formulation Information

Hard Wax

Formulation reference: PW-320



AV09029

Description

This is a traditional product for the preservation of new and good-condition paintwork. The formulation provides shine and ease of use due to its thin consistency.

| Ingredient | Weight % | Trade Name/Supplier |
|--|----------|--|
| 1. Low aromatic solvent 160/190°C | 85.7 | Odorless mineral spirits |
| 2. Low aromatic solvent 200/250°C | 10.0 | Low odor base solvent or #460 solvent |
| 3. Carnauba wax | 0.5 | |
| 4. <i>Dow Corning</i> ® 2-5088 Wax | 1.0 | Dow Corning Corp. |
| 5. XIAMETER® PMX-200 Silicone Fluid, 350 cSt | 0.5 | Dow Corning Corp. |
| 6. XIAMETER® PMX-200 Silicone Fluid, 12,500 cSt | 0.3 | Dow Corning Corp. |
| 7. <i>Dow Corning</i> ® 593 Fluid | 1.0 | Dow Corning Corp. |
| 8. <i>Dow Corning</i> ® 2-9118 Fluid | 1.0 | Dow Corning Corp. |

Procedure

- 1) Add ingredients 1-4 to the vessel and heat to 85°C with low-speed stirring until the waxes have dissolved.
- 2) Start cooling and add ingredients 5-8 with continuous stirring.

Typical Properties/Additional Information

Suggestions for adjusting the formulation:

- To improve gloss: Incorporate 0.5-1.0% XIAMETER® PMX-200 Silicone Fluid, 1,000 cSt
- To improve ease of use: Increase level of XIAMETER PMX-200 Silicone Fluid, 350 cSt, to 1.0%
- To improve durability: Increase levels of *Dow Corning* 2-9118 Fluid and *Dow Corning* 2-5088 Wax to 2.0% or incorporate XIAMETER® OFX-0536 Fluid at 1.0%
- If a single silicone resin is desired, choose either *Dow Corning* 593 Fluid or *Dow Corning* 2-9118 Fluid. Look for the product that provides the best leveling and durability.

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.

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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Printed in USA

AGP9900

Form No. 26-1619A-01

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