

Prototype Formulation for Interior Protection

Auto Care Formulation Information

Leather Care

Formulation reference: IP-540



AV08983

Description

This gel product uses a combination of materials to keep leather supple by replacing lost natural oils. The silicone wax helps to protect the leather, while the silicone fluid aids during application.

Ingredient	Weight %	Trade Name/Supplier
Phase A		
1. Dow Corning® 2-5088 Wax	2.0	Dow Corning Corp.
2. Syncrowax® ERL	2.0	Croda Ltd.
3. Syncrowax® AWI	2.0	Croda Ltd.
4. Lanolin	2.0	Croda Ltd.
5. Volpo® L4	2.5	Croda Ltd.
6. XIAMETER® PMX-200 Silicone Fluid, 350 cSt	1.0	Dow Corning Corp.
7. Pine Oil	1.0	
8. Triethanolamine	0.5	
Phase B		
9. Water	37.0	
Phase C		
10. Acrylic thickener (2%) solution	15.0	Lubrizol
11. Water	30.0	
12. Isopropanol	5.0	

Procedure

- 1) Mix phase A ingredients in the main vessel and heat to 70°C.
- 2) Heat phase B ingredient to 70°C and add to phase A under high shear.
- 3) Prepare a solution of acrylic thickener and water, and add this to the main vessel.
- 4) Add isopropanol and mix for 5 minutes under high shear, then use low-speed mixer.

... continued on back

Typical Properties/Additional Information

This is a Croda-derived formulation.

Suggestions for adjusting the formulation:

- To increase the gloss/color: Replace XIAMETER PMX-200 Silicone Fluid, 350 cSt, with XIAMETER® PMX-200 Silicone Fluid, 1,000 cSt
- To reduce the gloss: Replace XIAMETER PMX-200 Silicone Fluid, 350 cSt, with XIAMETER® PMX-200 Silicone Fluid, 100 cSt
- To improve water repellency: Replace XIAMETER PMX-200 Silicone Fluid, 350 cSt, with *Dow Corning*® 2-9118 Fluid
- To achieve a drier film: Replace XIAMETER PMX-200 Silicone Fluid, 350 cSt, with *Dow Corning*® 593 Fluid or *Dow Corning*® 3527 Fluid or *Dow Corning*® 2-9118 Fluid

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*® 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

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Dow Corning is a registered trademark of Dow Corning Corporation.

We help you invent the future is a trademark of Dow Corning Corporation.

XIAMETER is a registered trademark of Dow Corning Corporation.

All other trademarks or trade names are the property of their respective owners.

©2008, 2009 Dow Corning Corporation. All rights reserved.

Printed in USA

AGP9894

Form No. 26-1590A-01

DOW CORNING

We help you invent the future.™