

Prototype Formulation for Automotive Wax

Auto Care Formulation Information

Emulsion Hard Wax

Formulation reference: PW-310



AV09029

Description

This formulation features a blend of silicones to promote shine and waterbeading. Also, this product contains a much lower solvent level than traditional hard-wax formulations.

Ingredient	Weight %	Trade Name/Supplier
Phase A		
Low aromatic solvent 160/190°C	20.0	Odorless Mineral Spirits
XIAMETER® PMX-200 Silicone Fluid, 350 cSt	1.1	Dow Corning Corp.
XIAMETER® PMX-200 Silicone Fluid, 1,000 cSt	0.7	Dow Corning Corp.
Syncrowax® AWI	1.5	Croda Ltd.
Dow Corning® 2-5088 Wax	1.5	Dow Corning Corp.
Crill® 6	1.4	Croda Ltd.
Polawax® GP200	0.9	Croda Ltd.
Triethanolamine	0.9	
50% sodium citrate in water	2.0	
Phase B		
Water	72.0	

Procedure

- 1) Mix phase A ingredients in the main vessel using low-speed stirring while heating to 70°C.
- 2) In an auxiliary vessel heat phase B ingredient to 70°C and then add to phase A with high-shear mixing.
- 3) Stir slowly while cooling.

Typical Properties/Additional Information

Suggestions for adjusting the formulation:

- To improve color: Incorporate XIAMETER® PMX-200 Silicone Fluid, 12,500 cSt, at 0.4%
- To improve durability: Incorporate Dow Corning® 2-9118 Fluid or Dow Corning® 2-8630 Polymer at 1.0%

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

xiameter.com

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