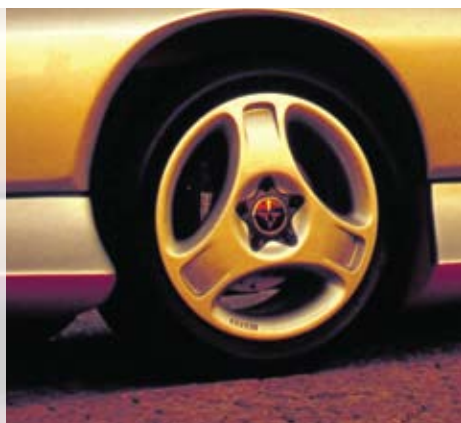


Prototype Formulation for Tire Care

Auto Care Formulation Information

Spray & Walk Away Tire Dressing

Formulation reference: TP-760



AV09029

XIAMETER PMX-0245
Cyclopentasiloxane is:

- VOC-exempt
- Low in toxicity
- Safe on most plastics or metals

Description

This formulation is a “spray and walk away” tire dressing that is California A.R.B. compliant. XIAMETER® PMX-0245 Cyclopentasiloxane improves the spreading of gloss agents so no wiping is needed. The formulation gives premium shine and premium darkening/color enhancement of tires. Treated tires have a glossy, dark “car show” appearance.

Ingredient	Weight %	Trade Name/Supplier
Phase A		
XIAMETER PMX-0245 Cyclopentasiloxane	37	Dow Corning Corp.
XIAMETER® PMX-200 Silicone Fluid, 1,000 cSt	5	Dow Corning Corp.
XIAMETER® PMX-200 Silicone Fluid, 10,000 cSt	20	Dow Corning Corp.
Phase B		
VOC-exempt aliphatic hydrocarbon solvent (isoparaffin)	38	CPChem <i>Soltrol</i> ® 220 or <i>Exxon</i> ® Isopar M

Procedure

Add the phase A ingredients in the order shown into a mixing vessel. Use a mixing impeller with adequate turnover flow at the bottom of the container. Rinse the load lines and any additional containers with the phase B ingredient while adding it to the mixing vessel.

Typical Properties/Additional Information

If the amount of XIAMETER PMX-0245 Cyclopentasiloxane is significantly reduced, then wiping the formula after spraying will be necessary.

Increasing the ratio of XIAMETER PMX-0245 Cyclopentasiloxane to isoparaffin solvent in the formula will continue to improve the spreading properties.

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Formulation Performance Review

Results

- Uniform appearance while drying
- Amount of slippery residue on the ground is two times less than with formulation TP-770
- Reduced streaks/drips at the tire bottom while drying
- High level of color enhancement and gloss compared to TP-770



15 minutes
after application



30 minutes
after application



Dried appearance

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

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Contact Information

dowcorning.com/ContactUs

xiameter.com

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