

## Siliconyl Polyethylene PC-38



Siliconyl Polyethylene PC-38 is a new wax with many unique formulating advantages. It is designed to reduce the hardness of finished products without affecting the melting point or gelling properties of the finished product.

### Applications:

**Creams, Lotions, Sun Care, Hair Care, Lipsticks, Lip Balms, Make-ups, Mascaras, Eye Liners, Stick Pencils, and Color Cosmetics.**

### Advantages:

Siliconyl Polyethylene PC-38 is used for its superior film forming properties. It creates a creamy, low viscosity gel with a great non-occlusive skin feel and slip. Siliconyl Polyethylene PC-38 is a proven dispersing aid for sunscreens to provide up to a 10% boost of UVA/UVB ratios. In color cosmetics, it adds gloss and transfer resistant properties.

### Regulatory:

INCI Name: Polyethylene, Stearoy Dimethicone, Polycyclopentadiene CAS#: 9002-88-4, 68554-53-0, 68132-00-3

Wax#	Wax Name	Melting Point	Acid Value	Saponification Value	Congeaing Point	Color
189	Siliconyl Polyethylene	–	–	–	65 - 75°C	White
447	Siliconyl Polyethylene PC-38	–	–	–	60 - 75°C	White
233	Siliconyl Candelilla	62 - 75°C	<3.5	45 - 65	–	Light Brown to Red Brown
163	Siliconyl Beeswax	62 - 72°C	<4.5	70 - 90	–	White to Light Yellow
355	Siliconyl Carnauba	78 - 85°C	<8	60 - 80	–	Light Brown to Red Brown

Specific waxes that are most appropriate for this category have been highlighted here