

Siliconyl Candelilla



Siliconyl Candelilla is a very convenient way to incorporate silicone into formulations. The silicone ester of candelilla eliminates the tendency of blooming in silicone oils and increases the stability of formulations. Siliconyl Candelilla imparts a silky feel to the skin and has sunscreen enhancing properties, reducing the need for higher concentrations of sunscreen to reach effective SPFs.

Applications:

Creams, Lotions, Sun Care, Hair Care, Lipsticks, Lip Balms, Lip Gloss, and Antiperspirants.

Advantages:

Siliconyl Candelilla improves stability, rheology, and barrier properties of emulsions. Siliconyl Candelilla provides superior payoff, lubricity, and gloss to cosmetic formulations and adds stability to long wear formulations. In hair care products, Siliconyl Candelilla increases body and gloss.

Regulatory:

INCI Name: Bis-PEG-12 Dimethicone Candelillate

CAS#: 210057-90-2

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