

## Synthetic Carnauba



Synthetic Carnauba is a hard, high melting point ester wax very similar to the monoester fraction of carnauba. This wax has extraordinary oil-gelling capabilities, and will gel certain silicone fluids at very low percentages. Synthetic Carnauba increases the softening point of sticks, suppresses migration of oils, and will improve the homogeneity of the stick.

### Applications:

Creams, Lotions, Sunscreens, Lipsticks, Lip Balms, Mascaras, Make-ups, **Carbon Paper Coatings; Inks**, Furniture and Car Polishes; Lacquers, Varnishes, Leather Finishes, Electrical Insulating Composition, Textiles, Mold Lubricants, Pill and Paper Glazing.

### Advantages:

Synthetic Carnauba has excellent oil-gelling and oil-binding capabilities. A wide range of cosmetic oils are gelled with low concentrations of Synthetic Carnauba yielding high gel strengths.

### Regulatory:

INCI Name: Synthetic Carnauba

CAS#: 136097-96-6

TSCA Listed: Synthetic Beeswax (Wax# 243)

CAS#: 71243-51-1

Wax#	Wax Name	Melting Point	Acid Value	Saponification Value	Appearance	Color
103	Type 1 Carnauba	80 - 86°C	2 - 7	78 - 95	Hard Brittle Flake	Dull Yellow to Light Brown
104	Type 3 Carnauba	82.5 - 86°C	4 - 10	78 - 95	Hard Brittle Flake	Light Brown to Brown
105	Type 4 Carnauba	80 - 86°C	4 - 10	78 - 95	Hard Brittle Flake	Brown
135	Micro Granulated Carnauba	80 - 86°C	2 - 7	78 - 95	Granulated	Dull Yellow to Light Brown
149	Powdered Type 1 Carnauba	80 - 86°C	2 - 7	78 - 95	Fine Powder	Light Yellow
325	N.F. Granulated Carnauba	80 - 86°C	2 - 7	78 - 95	Granulated	Dull Yellow to Light Brown
420	N.F. Type 1 Carnauba	80 - 86°C	2 - 7	78 - 95	Hard Brittle Flake	Dull Yellow to Light Brown
124	Synthetic Carnauba	80 - 85°C	<6	72 - 96	Pastilles	Off White to Light Brown
<b>COMPOSITION:</b>						
Alkyl Wax Acid Esters		Free Acids	Fatty Alcohols	Lactides	Hydrocarbons	Resins (Alcohol Soluble)
84 - 85%		3%	2 - 3%	2 - 3%	1.5 - 3%	4 - 6%

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