

Product Information

Personal Care

Dow Corning® HY-3050

Soy Wax

FEATURES

- Low melting point wax (50-60°C)
- Compatible with many organic cosmetic raw materials

BENEFITS

- Moisturizing agent for skin
- Semi-Occlusive film former
- Provides structuring to sticks & pomades
- Derived from natural ingredients

COMPOSITION

- 100% Metathesized, hydrogenated soybean oil.
- HY-3050 contains a small amount of hydrocarbons (C15-23 Alkane) that are produced from soybean oil during metathesis.

INCI Name: Hydrogenated Soybean Polyglycerides (and) C15-23 Alkane

APPLICATIONS

- Skin Care
- Hair Care
- Color Cosmetics

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

CTM*	ASTM**	Property	Unit	Value
0176 B		Appearance		Off-white solid
0124 A	ASTM D127	Melting point	°C	50-60

* CTM : Corporate Test Method, copies of CTM's are available on request.

** ASTM : American Society for Testing and Materials.

DESCRIPTION

Dow Corning® HY-3050 Soy Wax is a naturally derived cosmetic wax formed from soybean oil. Soybean oil, which contains a large amount of polyunsaturated, fatty acid, is metathesized and then hydrogenated to form a soft pliable cosmetic wax that is useful for structuring a wide range of cosmetic oils.

HOW TO USE

Dow Corning® HY-3050 Soy Wax is soft structuring wax which is compatible with a wide range of commercially available cosmetic oils used today (Table 1). A relatively low melting point wax (50-60°C), it can be used in conjunction with other cosmetic waxes to alter the hardness of a stick or soft solid formulation. Compared to other common structuring waxes, Dow Corning® HY-3050 Soy Wax produces a relatively soft stick (Figure 1) with excellent payout.

HANDLING PRECAUTIONS

Product safety information required for same use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The safety data sheet is available from your local Dow Corning Sales representative or is available on the Dow Corning website at www.dowcorning.com.

USABLE LIFE AND STORAGE

When stored at or below 50°C (122°F) in the original unopened containers, this product has a usable life of 12 months from the date of production.

PACKAGING

This product is available in 11 kg pails, 128 kg drums and 500 mL samples.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, www.dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

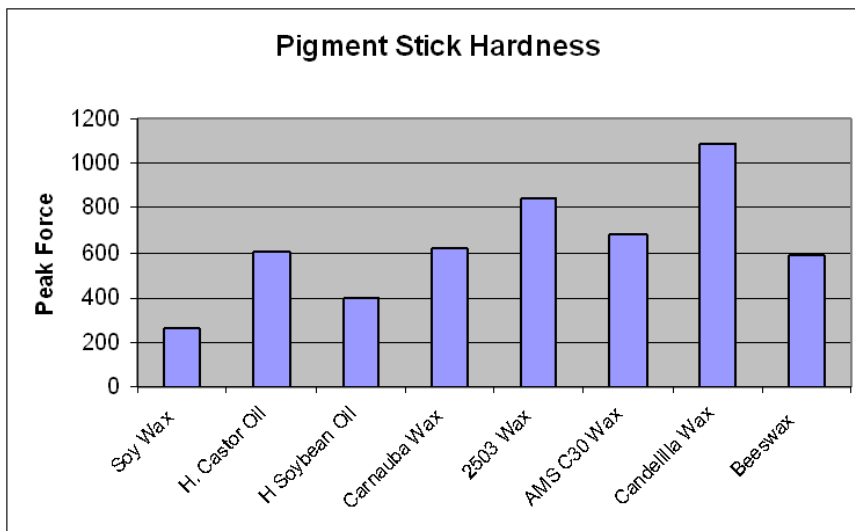
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Table 1: Compatibility of Dow Corning® HY-3050 Soy Wax with commonly used materials (4:1 Oil/Wax Ratio)

Cosmetic Oil	Miscible when Melted?	Description
Mineral Oil	Yes	Smooth, slightly translucent soft paste
Isododecane	Yes	Smooth, slightly translucent soft paste
Cyclopentasiloxane	No	Loose, slushy mixture with free liquid
Bis-Hydroxyethoxypropyl Dimethicone	No	Non-uniform mixture with undispersed wax
Pheny Trimethicone	Partially	Stiff white paste
Caprylyl Methicone	Partially	Smooth, white soft paste
Tridecyl Neopentanoate	Yes	Smooth, white soft paste
Tricaprylin	Yes	Stiff white paste
C12-15 Alkyl Benzoate	Yes	Smooth, translucent soft paste
Ethylhexyl Palmitate	Yes	Smooth, white soft paste
PPG-10 Cetyl Ether	Yes	Stiff white paste
Caprylic/Capric Triglyceride	Yes	Stiff white paste
Vegetable Oil Blend	Yes	Stiff white paste

Figure 1: Hardness of anhydrous pigment stick formation comparing various commercially available cosmetic waxes



Anhydrous Pigment Stick Formulation

Ingredient	Wt %
Cosmetic Wax	5.0
Cetearyl Alcohol	17.0
Cyclopentasiloxane	38.0
Pigment Mix (Iron Oxides, TiO ₂)	25.0