

Product Information

Personal Care

Dow Corning® HY-3051

Soy Wax Blend

FEATURES

- Viscous low melting point paste (42-54°C)
- Compatible with many organic cosmetic raw materials
- Naturally derived alternative to petrolatum

BENEFITS

- Moisturizing agent for the skin
- Shine in hair care
- Anti-frizz in hair care

COMPOSITION

- Metathesized, hydrogenated soybean oil blended with partially hydrogenated soybean oil

INCI Name: Hydrogenated Soybean Oil (and) 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		Beige to Light Yellow Viscous Paste
0187 A	ASTM D127	Melting point	°C	42 – 54
0050	ASTM D445	Viscosity	cP	380,000

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

** ASTM : American Society for Testing and Materials.

DESCRIPTION

Dow Corning® HY-3051 Soy Wax Blend is a naturally derived viscous paste formed when metathesized, hydrogenated soybean oil in the form of a soft wax is blended with partially hydrogenated soybean oil.

HOW TO USE

Dow Corning® HY-3051 Soy Wax Blend can be used as a naturally derived alternative to petrolatum in both hair and skin care formulations. Semi-occlusive, it can be used for providing a natural moisturizing agent for the skin and is comparable to petrolatum over six hours (Figure 1). In prototype oil-in-water lotions, the sensory characteristics of the two materials are similar, but the soy wax blend imparts a smoother feel with better slip after absorption (Figure 2).

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 45°C (104°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 15 kg pails, 185 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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Figure 1: Corneometer data for oil-in-water lotion formulation.

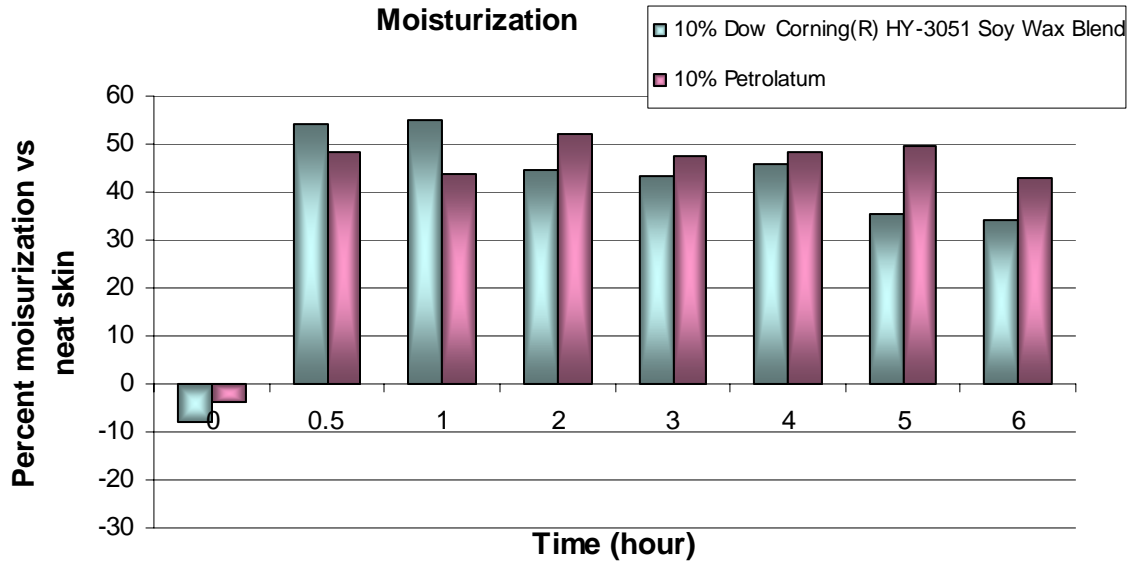
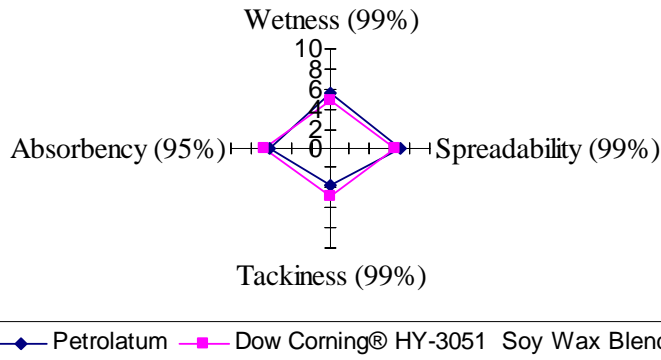


Figure 2: Skin Moisturizing Lotion – CPF 1093. Sensory characteristics of soy wax blend and petrolatum before and after absorption.

Before Absorption:



After Absorption:

