



Technical Data Sheet

DOWSIL™ CB-1002LV Conditioning Agent

INCI Name: Dimethicone and Amodimethicone

Features & Benefits

- Easy to formulate into hair treatment products
- Smooth and soft feeling on hair
- Improve dry/wet combing performance
- Listed in the catalogue of Cosmetic Ingredients Used in China

Composition

- Silicone gum and amino silicone blend

Applications

- Rinse off conditioner, hair mask and hair treatment

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test ¹	Property	Unit	Result
CTM 0176	Appearance		Viscous liquid
CTM 0050	Viscosity	mPas	45000
	Specific gravity at 25°C (77°F)		0.98
	Silicone content	%	100

1. CTM: Corporate Test Method, copies of CTMs are available on request.

Description

DOWSIL™ CB-1002LV Conditioning Agent is a low cyclic blend of dimethicone and amine-functional silicone polymer. This blend is developed as conditioning agent for hair care products such as rinse off conditioner, hair mask and hair treatment and provides super dry/wet combing performance (see Figures 1 and 2).

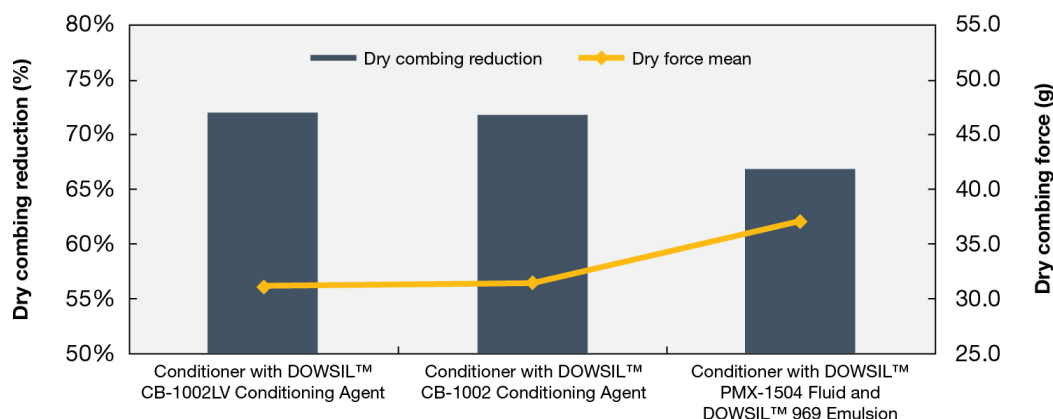


Figure 1: Dry Combing Performance by Combing Machine

There is no difference between rinse off conditioner with DOWSIL™ CB-1002LV Conditioning Agent and the one with DOWSIL™ CB-1002 Conditioning Agent. At 90% confidence level, rinse off conditioner with 2% DOWSIL™ CB-1002LV Conditioning Agent is better than the one with 1% DOWSIL™ PMX-1504 Fluid and 3% DOWSIL™ 969 Emulsion on dry combing performance.

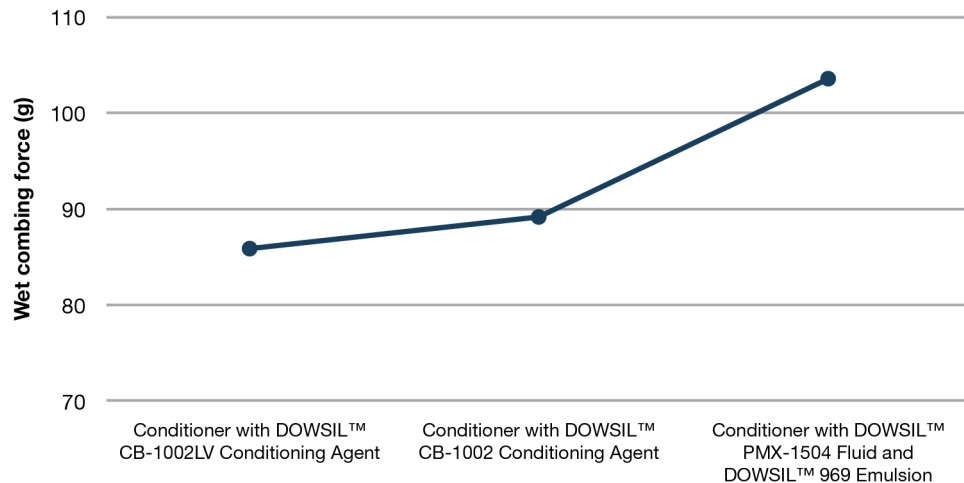


Figure 2: Wet Combing Performance by Combing Machine

There is no difference between rinse off conditioner with DOWSIL™ CB-1002LV Conditioning Agent and the one with DOWSIL™ CB-1002 Conditioning Agent. At 99% confidence level, rinse off conditioner with 2% DOWSIL™ CB-1002LV Conditioning Agent is better than the one with 1% DOWSIL™ PMX-1504 Fluid and 3% DOWSIL™ 969 Emulsion on wet combing performance.

How to Use

DOWSIL™ CB-1002LV Conditioning Agent can be added to the oil phase of the formulation. It is recommended to add to the formulation below 75°C with continuous mixing or stirring. The recommended use level is 1~5%.

**Handling
Precautions**

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. 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 ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

**Usable Life and
Storage**

When stored between 5°C (41°F) and 40°C (104°F) in original, unopened container, this product has a usable life of 18 months from the date of production.

**Packaging
Information**

This product is available in 190 kg, 20 kg pails. Samples are available in 500 g bottle.

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 has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

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

**Disposal
Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

**Product
Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

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