

BELSIL® DM 350

DIMETHICONE

Product description

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BELSIL® DM 350 is a linear, non-reactive, unmodified polydimethylsiloxane with a viscosity of 350 mm²/s.

BELSIL® DM 350 is characterized by low surface tension and a high spreading coefficient. Due to its flexible polymer backbone, dimethicones have high permeability to gases (e.g., water vapor, oxygen), which allows respiration of the skin.

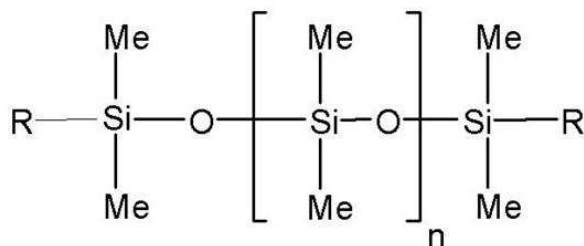
Application

BELSIL® DM 350 is widely used in a highly varied range of personal care formulations.

The medium viscosity BELSIL® DM 350 is used, for example, as solvents for high viscosity dimethicones or dimethiconols. This allows the formulator to adjust the needs of his products.

It imparts a hydrophobic, protective, but breathable barrier to the skin and improves spreading characteristics. It reduces whitening and soaping effects during rub-in and imparts lubricity, softness, and emolliency. BELSIL® DM 350 enhances shine, reduces stickiness, and improves the tactile impression of personal care applications.

Chemical Structure



Storage

The "Best use before end date" of each batch is shown on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

For specific information regarding safe handling of this material, please refer to the Material Safety Data Sheet.

Specifications

Typical Property values are not intended for use in the preparation of specifications. Please contact Wacker Silicones for assistance and recommendations before writing specifications on this product.

Contact:

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Product data

Typical general characteristics

Typical general characteristics	Inspection Method	Value
Appearance		clear, colorless
Physical state		liquid
Surface tension at 25°C, approx., [mN/m]		21.1
Viscosity, dynamic		350 mPa.s
Density at 23°C		0.953 - 0.977 g/cm ³
Flash point	DIN 51376	> 279 °C
Refractive index at 25°C, approx.		1.4035

Typical general characteristics
Inspection Method
Value

INCI name

Dimethicone

Additional Information

Solubility

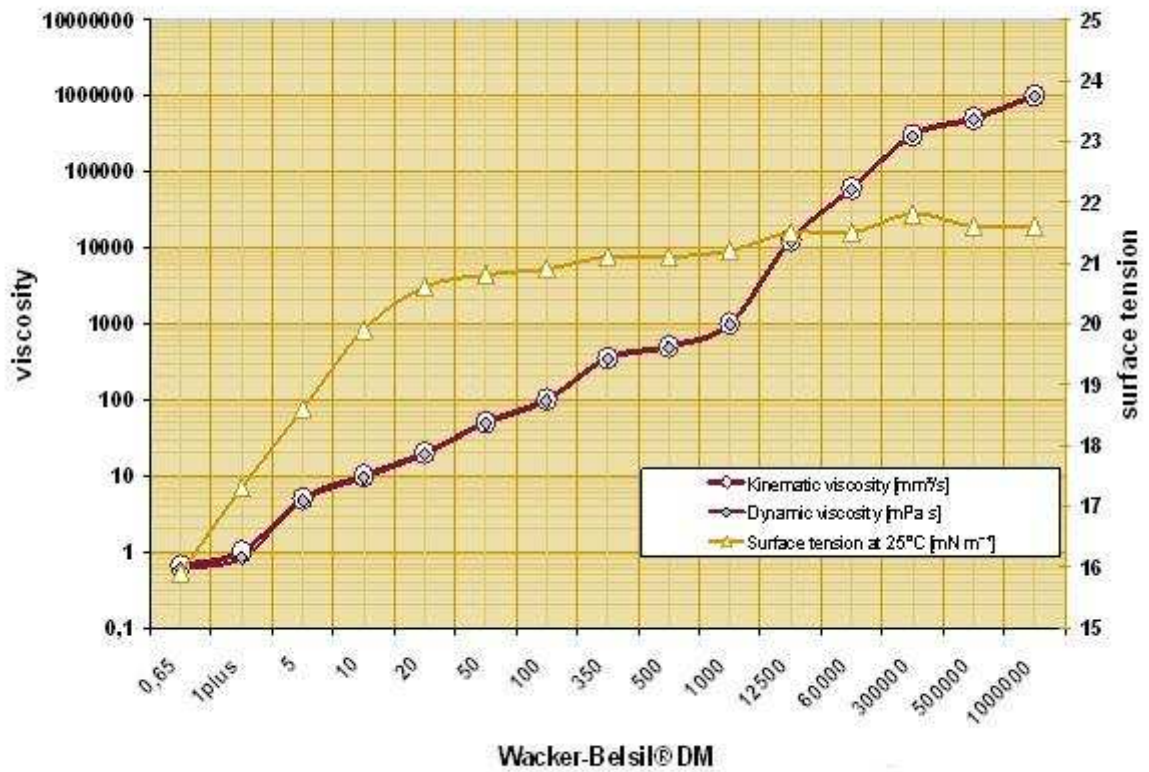
Ingredient	Wacker-Belsil DM 350		Ingredient	Wacker-Belsil DM 350
Silicones			Triglycerides	
Wacker-Belsil® CM 040	✓		Castor Oil	Δ
Wacker-Belsil® DM 1 plus	✓		Olive Oil	Δ
Wacker-Belsil® DM 10	✓		Wheatgem Oil	Δ
Wacker-Belsil® DM 12500	✓		Lanolin Oil	Δ
Wacker-Belsil® DM 60000	✓			
			Alcohols	
Mineral Oil			Octyldodecanol	Δ
C9-13 Isoparaffin	✓		Propylene Glycol	Δ
Mineral Oil, high-visc.	Δ		Isopropanol	Δ
Mineral Oil, low-visc.	Δ		Alcohol	Δ
			Glycerin	Δ
Ester Oil			Water	Δ
Ethyl Acetate	✓			
C12-15 Alkyl Benzoate	Δ			
Isopropyl Myristate	✓			
Oleyl Oleate	Δ			

✓ = Soluble (> 10%)

P = Partially soluble (1 – 10%)

Δ = insoluble

Viscosity range of Wacker-Belsil DM fluids and their surface tension



The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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For technical, quality, or product safety questions, please contact:

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