

Wacker-Belsil® PDM 350 VP

Trimethylsiloxyphenyl Dimethicone

Characteristics

Wacker-Belsil® PDM 350 VP is a phenyl-modified polydimethylsiloxane characterized by having a higher refractive index than dimethicone fluids. It offers clear advantages over dimethicones with regard to skin feel, gloss and compatibility with other cosmetic raw materials.

Application

Wacker-Belsil® PDM 350 VP is used in all kinds of cosmetic formulations, but mostly in hair care compositions due to its shine-enhancing benefits.

Wacker-Belsil® PDM 350 VP reduces the stickiness of formulations containing acrylic acid polymers. It is an excellent emollient in skincare products, imparts a very pleasant feel to the skin and provides water-repellency.

In antiperspirants it is employed as a refractive-index match to promote the formation of clear products.

Storage

Wacker-Belsil® PDM 350 VP has a shelf life of at least 18 months when stored between 10°C and 25°C in the tightly closed original container. The 'Best use before end' date of each batch appears on the product label.

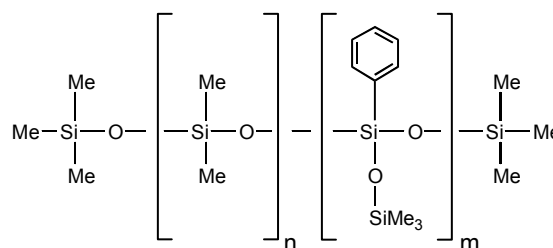
Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Product data

Properties	Unit	Wacker-Belsil® PDM 350 VP
Appearance		clear, colourless
Viscosity at 25 °C	approx. [mm ² /s]	330 – 350
Refractive index at 25 °C	approx.	1,464
Density at 25 °C	approx. [g/cm ³]	1.0 – 1.1
Flash point	approx. [°C]	240
INCI name		Trimethylsiloxyphenyl Dimethicone

These figures are intended as a guide and should not be used in preparing specifications.

Chemical structure



Safety information

Detailed safety information is contained in each material safety data sheet, which can be obtained from our sales offices.

Additional information
Solubility

Ingredient	Wacker-Belsil® PDM 350 VP	Ingredient	Wacker-Belsil® PDM 350 VP
Mineral Oil/Waxes		Emulsifiers/ethoxylated oils	
Ozokerite	Δ	PEG-75 Lanolin Oil	Δ
Microcrystalline wax	Δ	PEG-7 Glyceryl Cocoate	P
Mineral Oil, high-visc.	P	PPG-5-Laureth-5	✓
Mineral Oil, low-visc.	P		
		Alcohols & Water	
Ester Oils		Octyl Dodecanol	✓
Ethyl Acetate	✓	Oleyl Alcohol	✓
C12-15 Alkyl Benzoate	✓	Isopropanol	✓
Isopropyl Myristate	✓	Alcohol	✓
Decyl Oleate	✓	Glycerol	Δ
Oleyl Oleate	✓	Propylene Glycol	Δ
		Water	Δ
Triglycerides		Silicone fluids	
Castor Oil	Δ	Cyclopentasiloxane (Wacker-Belsil® CM 040)	✓
Olive Oil	✓	Disiloxane (Wacker-Belsil® DM 0.65)	✓
Wheatgerm Oil	Δ	Dimethicone (Wacker-Belsil® DM 1 plus)	✓
Lanolin Oil	Δ	Dimethicone (Wacker-Belsil® DM 10)	✓
Caprylic/Capric Triglyceride	✓	PEG/PPG-25/25 Dimethicone (Wacker-Belsil® DMC 6031)	Δ
UV-filters		Bis-PEG-15 Methyl Ether Dimethicone (Wacker-Belsil® DMC 6038)	Δ
Ethylhexyl Methoxycinnamate	✓		
Ethylhexyl Salicylate	✓		
✓ = soluble (> 10%)		P = partially soluble (1 – 10%)	
		Δ = insoluble	

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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