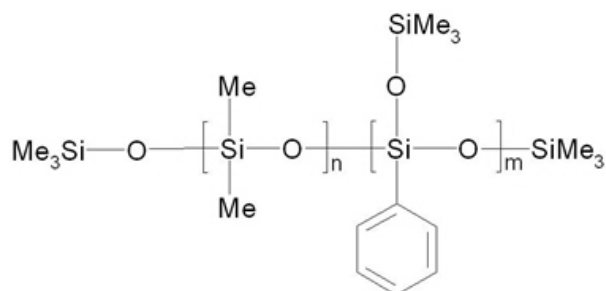


BELSIL® PDM 350 VP

TRIMETHYLSILOXYPHENYL DIMETHICONE

Product description

Structural formula:



BELSIL® PDM 350 VP is a phenyl-modified polydimethylsiloxane characterized by having a higher refractive index than dimethicone fluids (1.38-1.40). It offers clear advantages over dimethicones with regard to skin feel, shine and compatibility with other cosmetic raw materials.

Application

BELSIL® PDM 350 VP is used in all kinds of cosmetics formulations, but mostly in hair care compositions and

color cosmetic due to their shine-enhancing benefits. 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 antiperspirant formulations, phenyl-modified silicones are employed as a refractive-index match to promote the formation of clear products.

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

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

Product data

Typical general characteristics	Inspection Method	Value
Appearance		clear, colorless
Viscosity, dynamic at 25 °C		330 - 350 mPa.s
Refractive index at 25 °C		1,464
Density at 25 °C, at 1013 hPa		1,05 - 1,10 g/cm ³
Flash point	EN 22719	240 °C
INCI name		Trimethylsiloxyphenyl Dimethicone

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

Additional information

Solubility

Ingredient	BELSIL® PDM 350 VP	Ingredient	BELSIL® PDM 350 VP
Mineral oils / waxes		Emulsifiers / ethoxylated oils	
Ozokerite	-	PEG-75 Lanolin oil	-
Microcrystalline wax	-	PEG-7 Glyceryl Cocoate	p
Mineral oil (high-visc.)	p	PPG-5-Laureth-5	✓
Mineral oil (low-visc.)	p		
		Alcohols & water	
Esters / Ester oils		Octyl dodecanol	✓
Ethyl acetate	✓	Oleyl alcohol	✓
C12-15 alkyl benzoate	✓	Isopropanol	✓
Isopropyl myristate	✓	Ethanol	✓
Decyl oleate	✓	Propylene glycol	-
Oleyl oleate	✓	Glycerol	-
		Water	-
Triglycerides			
Castor oil	-	Silicone fluids	
Olive oil	✓	Cyclopentasiloxane	✓
Wheatgerm oil	-	Cyclopentasiloxane, Dimethicone (BELSIL® CM 1000)	✓
Lanolin oil	-	Disiloxane (BELSIL® DM 0.65)	✓
Caprylic/Capric triglycerides	✓	Dimethicone (BELSIL® DM 1 Plus)	✓
		PEG/PPG-25/25 Dimethicone (BELSIL® DMC 6031)	-
UV-Filters		Bis-PEG-15 Methyl Ether Dimethicone (BELSIL® DMC 6038)	-
Ethylhexyl Methoxycinnamate	✓		
Ethylhexyl Salicylate	✓		

✓ = soluble (> 10%)

p = partially soluble (1 - 10%)

- = 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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