

# BELSIL® PMS MK POWDER

POLYMETHYLSILSESQUIOXANE

## Product description

BELSIL® PMS MK POWDER is a solid, solvent-free silicone resin.

## Application

This highly cross-linked silicone resin is primarily used for its film-forming attributes.

BELSIL® PMS MK POWDER provides improved water-resistance and is a processing aid in pigment grinding and pressed-powder applications. It prevents agglomeration and maintains free-flowing characteristics in loose-powder products as well, which is beneficial in powder-filling devices.

## 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		white powder
Softening point		50 - 60 °C
Odor		odorless
INCI name		Polymethylsilsesquioxane

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

## Additional information

## Solubility

Ingredient	BELSIL® PMS MK Powder	Ingredient	BELSIL® PMS MK Powder
<b>Mineral oils / waxes</b>		<b>Triglycerides</b>	
C9-13 isoparaffin	✓	Castor oil	-
Mineral oil (high-visc.)	-	Olive oil	-
Mineral oil (low-visc.)	-	Wheatgerm oil	-
		Lanolin oil	-
<b>Esters / Ester oils</b>		<b>Alcohols &amp; water</b>	
Ethyl acetate	✓	Octyl dodecanol	-
C12-15 alkyl benzoate	-	Oleyl alcohol	-
Isopropyl myristate	✓	Isopropanol	✓
Isopropyl palmitate	✓	Ethanol	✓
Decyl oleate	-	Propylene glycol	-
Oleyl oleate	-	Glycerol	-
Dicaprylyl Ether	✓	Water	-
<b>Emulsifiers / ethoxylated oils</b>		<b>Silicone fluids</b>	
PEG-75 Lanolin oil	-	Disiloxane (BELSIL® DM 0.65)	✓
PEG-7 Glyceryl Cocoate	-	Dimethicone (BELSIL® DM 1 Plus)	✓
PPG-5-Laureth-5	-	Trimethylsiloxyphenyl Dimethicone (BELSIL® PDM 20)	-
<b>UV-Filters</b>			
Ethylhexyl Methoxycinnamate	-		
Ethylhexyl Salicylate	-		

✓ = soluble (&gt; 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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