

Technical Information

Polymer MV 2 000

Monovinylfunctional polydimethyl siloxane

Polymer MV 2 000 is a polydimethylsiloxane that is vinylterminated on one side, thus achieving a reduction of modulus and hardness in addition curing silicone formulations. Because of the monofunctional structure, only one chain end of the silicone polymer reacts with the network.

Technical data (no specification)

Property	Unit	
Appearance		clear, colourless liquid
Viscosity (25 °C)	[mPas]	2 000
Vinyl content	[mmol/g]	0.06
Refractive index n_D^{20}		1.4054

Application

The following formulation shows the lower hardness achieved with Polymer MV 2 000 as compared with a similar formulation containing a corresponding difunctional vinyl silicone (Polymer VS 2 000):

Tabel

Component	Parts	Component	Parts
95 g Polymer MV 2 000	95.0	95 g Polymer VS 2 000	95,0
0,4 g Catalyst 510	0.4	0,4 g Catalyst 510	0,4
0,1 g Inhibitor DVS	0.1	0,1 g Inhibitor DVS	0,1
3 g Crosslinker 101	3.0	3 g Crosslinker 101	3,0
Hardness of vulcanized formulation Shore A 1		Hardness of vulcanized formulation Shore A 26	

Registration status

The ingredients of Polymer MV 2 000 are listed in the following chemical inventories:

EINECS/ELINCS, TSCA, DSL, ENCS, AICS, TCCL, PICCS, IECSC, New Zealand, TCSI

Further information is available on request.

Packaging and Storage

Packaging	190 kg drum, 950 kg IBC PE
Shelf life	12 months in originally sealed containers
Storage	Dry, up to 30 °C (86 °F) in sealed containers, do not permanently expose to intensive sunlight

Safety and Handling

The rules and regulations for the handling and use of chemicals have to be observed. Please refer to the Material Safety Data Sheet for further details.

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

Evonik Nutrition & Care GmbH
Charlottenburger Straße 9
21502 Geesthacht, Germany
Phone +49 4152 8092-0
Fax. +49 4152 79156
www.evonik.com/interface-performance
interface-performance@evonik.com

