

Product information

KORASILON® PASTEN**NIEDRIGVISKOS, MITTELVISKOS, HOCHVISKOS****Short description**

Korasilon® Pasten niedrigviskos (nv), mittelviskos (mv), hochviskos (hv) are based on Polydimethylsiloxanes and contain small amounts of special inorganic thickeners.

Product properties

- Usable in a wide temperature range (-40 °C to +200 °C),
- low dependency of viscosity on temperature
- Colorless, odorless, non toxic
- Thixotropic- and hydrophobic behaviour
- Insoluble in water, resistant to sea water and hot steam
- Very good electrical insulator and good dielectric properties
- Inert to many chemicals, resistant to microorganisms
- Good adhesion capacity and lubrication properties
- Good release properties
- Good stability

Approvals

- ✓ BfR-Recommendation XV. Silicone
- ✓ FDA 178.3570 „Lubricants with incidental food contact“
- ✓ RoHS
- ✓ NSF-H1-Approval
- ✓ WRAS-Approval (Korasilon® Paste hochviskos)

**Application**

The products are being used as lubricants and release agents for many applications, e. g. valves, seals, cables, ground glass joints.

Being chemically indifferent, **Korasilon® Pasten nv, mv, hv** are widely used as protection and sealing materials for sensitive parts of process plants. They are also especially suited for the maintenance of rubber seals.

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Product data*

Property	Condition	Value		
Ruhepenetration	according to Klein in 1/10 mm	nv-300 (soft)	mv-270 (medium)	hv-200 (stiff)
NLGI- Class	25 °C	1-2	2-3	3-4
Density	25 °C in g/cm ³	approx. 1.0		
Stability	30h/200 °C	stable, no flowing		
Pour point	°C	approx. -45		
Thermal conductivity	50 °C in W/(m·K)	approx. 0.15		
Electrical resistance	25 °C in Ω·cm	approx. 10 ¹³		

Storage

Korasilon® Pasten nv, mv, hv have a shelf life of 12 months after date of manufacturing when correctly stored in its original unopened container at storage temperatures between +5 °C and +40 °C.

Storage beyond to the indicated period does not automatically mean that the product is unusable. However, an inspection of the property values necessary for the intended use is essential due to quality assurance reasons.

To the product overview of our **Korasilon® Pasten**



Further information on product safety and handling is given in the Material Safety Data Sheet.

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**Informative properties not intended to be used as product specification*