

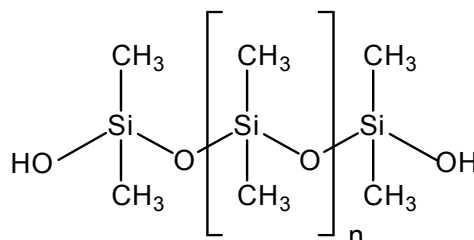
KORASILON® Öle R

Short description

The **KORASILON® Öle R** are colourless, clear OH-terminated, linear polydimethylsiloxanes.

Product properties

The **KORASILON® Öle R** receive their distinctive properties through the terminal Si-OH groups



While the chain components are under normal conditions not capable of chemical reactions, the terminal Si-OH groups react at room temperature after addition of the respective catalysts and cross-linking agents and thus differ favorably from the non-reactive **KORASILON® Öle M** (trimethylsiloxy-terminated polydimethyl siloxanes)

The **KORASILON® Öle R** can be mixed with each other, but they are not miscible with water and they are not water-soluble.

Application

KORASILON® Öle R can be applied by spreading on the viscosities supplied, by immersion in dispersions or by immersion in emulsions. The required quantity depends on the desired coat thickness and can be determined by adjusting the concentration of the dispersion or emulsion.

The **KORASILON® Öle R** series can be cross-linked by the Si-OH groups. This cross-linking can be supported and accelerated by small amounts of Si-H-containing oils, while known cross-linking catalysts can be advantageously used concomitantly.

Due to their reactivity, **KORASILON® Öle R** are suitable for the production of auxiliary agents for the coating, impregnating and waterproofing of fibres, synthetic fibres and fabrics in the textile sector as well as improving the feel of textiles

KORASILON® Öle R can also be used as cross linker in elastomers.

Product data*

	Appearance	Viscosity at 25 °C in mPas
KORASILON® ÖI R 0,5	colorless, clear liquid	400 to 600
KORASILON® ÖI R 1	colorless, clear liquid	900 to 1.000
KORASILON® ÖI R 14	colorless, clear liquid	12.000 to 16.000
KORASILON® ÖI R 50	colorless, clear liquid	40.000 to 60.000

KORASILON® Öle R

Storage

KORASILON® Öle R 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 period indicated on the product label 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.

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

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