

KORASILON® ÖI TT 2

Short description

Low viscous, linear polydimethylsiloxane particularly suitable as environmentally friendly cold- and heat transfer media.

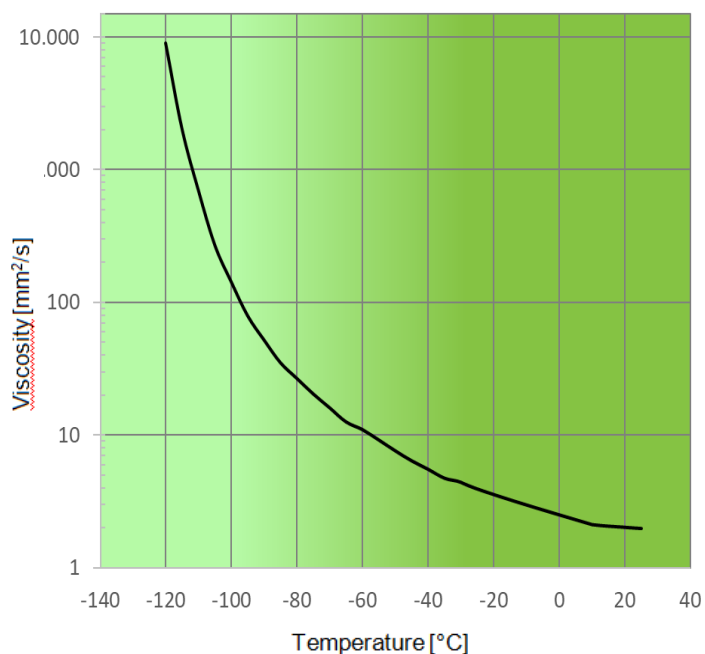
Product properties

KORASILON® ÖI TT 2 is characterized by a unique combination of low viscosity and a relatively high flash point. **In contrast to** competitive products, **KORASILON® ÖI TT 2** oil is not classified as dangerous good and hazardous substance. It allows an economic use even at low temperatures due to its low viscosity. Since the **KORASILON® TT ÖI 2** is based on polydimethylsiloxane this material is easily miscible with other media on the basis of polydimethylsiloxane. **KORASILON® TT 2** oil is colorless and odorless and non-toxic.

Product data*

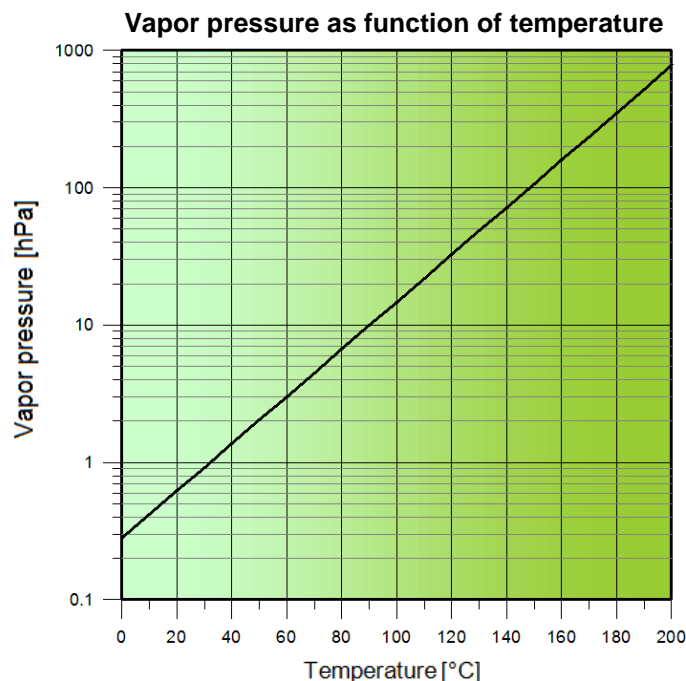
	Value	Unit
Water content	< 50	ppm
Viscosity (25 °C)	approx. 2	mm ² /s
Pour point	< -120	°C
Refractive index (25 °C)	approx. 1,391	
Density (25 °C)	approx. 0,87	g/cm ³
Flash point: (DIN EN ISO 2592)	> +90	°C
Ignition temperature	> +400	°C
Mean coefficient of cubic expansion	approx. 125	10 ⁻⁵ /K

Viscosity as function of temperature



Temperature in °C	Viscosity in mm ² /s
-120	30650
-115	5675
-100	252
-90	84
-80	39
-70	22
-60	14
-40	7
-20	4
25	2
40	1,6
80	1
120	0,7
160	0,5
200	0,35

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Temperature in °C	0	25	50	75	100	125	150	175	200
Vapor pressure in hPa	0,3	0,8	2,0	5,5	15	40	107	290	770

Storage

KORASILON® ÖI TT 2 has a shelf life of minimum **24** months if stored in tightly sealed original container at storage temperatures between **+5 °C** and **+40 °C**. 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.

This information and our technical advice – whether verbal, in writing or by way of trials – are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale and Delivery; this is not valid for our trial products

*Informative properties not intended to be used as product specification

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