

## Alternatives to PFAS-Pastes/Greases

**Short description** EU-wide restriction of per- and polyfluoroalkyl substances (PFAS) – prohibition of ECHA

**Background** Together with other authorities from Germany, the Netherlands, Denmark, Sweden and Norway, the German Environment Agency has submitted a proposal to the European Chemicals Agency for an EU-wide restriction of PFAS.  
 The first compounds have already been regulated more strictly in the past.  
 From 2025, the production, use and placing on the market of all PFAS is to be banned, with a few exceptions!

**Examples of PFAS** PTFE (Teflon®), PVDF, PFOS, PFOA, FPM, FKM, HFO and many more.

**Alternative** For the above-mentioned reasons, we would like to present to you, as a manufacturer and supplier, possible alternatives from our company that we have already developed in anticipation of the restrictions that are now taking effect.

The **KORASILON® pastes** are produced on the basis of silicone oils with proportions of special inorganic thickeners and serve as possible PFAS alternatives.

Therefore, they are silicone-containing pastes that do not contain PFAS.

**Compatibility** **KORASILON® pastes** have good compatibility with a wide range of materials.

### Products

Name	Base oil	Suspending agent	Penetration according to Klein in 1/10 mm	Appearance
KORASILON® Paste M-S 2-270	PDMS	Silica	270	colorless-opaque
KORASILON® Paste M-S 2-270 G	PDMS	Silica	270	colorless-opaque
KORASILON® Paste M-B 1-290	PDMS	Silicate	290	brown
KORASILON® Paste M-B 1-290 G	PDMS	Silicate	290	brown
KORASILON® Paste G-S 250	mod. PDMS	Silica	250	colorless-opaque
KORASILON® Paste G-S 250 G	mod. PDMS	Silica	250	colorless-opaque
KORASILON® Paste G-B 250	mod. PDMS	Silicate	250	brown
KORASILON® Paste G-B 250 G	mod. PDMS	Silicate	250	brown
KORASILON® Paste P-S 250	Aryl	Silica	250	colorless-opaque
KORASILON® Paste P-S 250 G	Aryl	Silica	250	colorless-opaque
KORASILON® Paste P-B 250	Aryl	Silicate	250	brown
KORASILON® Paste P-B 250 G	Aryl	Silicate	250	brown
KORASILON® Paste AA-S 250	Alkyl-Aryl	Silica	250	colorless-opaque

## Alternative to PFAS-Pastes/Greases

Name	Temperature resistance <sup>1</sup>	Lubricating performance	Sliding effect	Recoat-ability	Electro <sup>2</sup>	Remark
KORASILON® Paste M-S 2-270	++	+	+	-	yes	SP
KORASILON® Paste M-S 2-270 G	++	+	++	-	yes	LP
KORASILON® Paste M-B 1-290	++	++	+	-	no	LP
KORASILON® Paste M-B 1-290 G	++	++	++	-	no	LP
KORASILON® Paste G-S 250	++	+	++	-	yes	LP
KORASILON® Paste G-S 250 G	++	+	+++	-	yes	LP
KORASILON® Paste G-B 250	++	++	++	-	no	LP
KORASILON® Paste G-B 250 G	++	++	+++	-	no	LP
KORASILON® Paste P-S 250	+++	++	+	++	yes	SP
KORASILON® Paste P-S 250 G	+++	++	++	++	yes	SP
KORASILON® Paste P-B 250	+++	+++	+	++	no	LP
KORASILON® Paste P-B 250 G	+++	+++	++	++	no	LP
KORASILON® Paste AA-S 250	++	++	+	+++	yes	SP

### Legend

+++ excellent  
 ++ very good  
 + good  
 - not suitable

1 ++ = usually ≤ 150°C

+++ = usually ≤ 250°C

Based on experience, short-term use above the specified temperatures is not a problem

SP Sales product

LP Laboratory product

2 The compatibility of the elastomers must be checked or tested

KORASILON Paste AA-S 250 shows very good compatibility with silicone elastomers

### Information

Some of the products listed are laboratory products that can still be adapted according to customer wishes or requirements.

### Other

In addition to the basic types and laboratory products already described, specially adapted **KORASILON® pastes** and special settings are available on request. In particular, the penetration value, which is important for processing and stability, can be adjusted according to the process requirements on request. Furthermore, special additives can be used to significantly improve the sliding and release properties.

If you are interested in these products or special preparations, please contact our sales staff or our application technology department.

### Reference

In addition to the products mentioned above, we also refer to our product datasheet of **KORASILON® pastes**, which also contains possible PFAS alternatives.

## Alternative to PFAS-Pastes/Greases

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

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

**Kurt Obermeier GmbH, Berghäuser Str. 70, D-57319 Bad Berleburg Tel.: +49 (0) 2751/524-0,  
Fax.: +49 (0) 2751/5041, E-Mail: [info@obermeier.de](mailto:info@obermeier.de) [www.obermeier.de](http://www.obermeier.de)**