

PRODUCT INFORMATION

K05



Date: 09.03.2015
Version: 2.1
Language: English

Light-colored adhesive greasepaste with solid lubricants for metallic friction combinations

Features:

- High loadcarrying capacity
- Particularly adhesive
- Particularly resistant to washout by water and metal machining emulsions
- Prevents stickslip
- Good corrosion protection
- Excellent protection against galling

Composition:

- Mineral oil
- Synthetic oil
- Lithium soap
- Solid lubricants
- Adhesion improver

Applications:

- Sliding surfaces exposed to high pressure loadings and subject to the influence of water of metal machining emulsions.
- Recommended and successfully used by leading clampingelement manufacturers, especially for chucks on metal processing machines.

Typical Properties:

Specification writers: These values are not intended for use in preparing specifications. This product is intended to be used to lubricate and maintain chucks. A modification of the product is not allowed due to safety reasons.

Standard*	Test	Unit	Result
	Color		Light beige
Penetration, density, viscosity			
ISO 2137	Unworked penetration	mm/10	265 - 300
ISO 2811	Density at 20°C	g/ml	1.19
Temperature			
	Service temperature ¹	°C	-25 to +250
ISO 2176	Drop point	°C	125
ASTM-D-1478-80	Low temperature torque test at -20°C Initial breakaway torque Torque after 20 minutes running time	Nm Nm	224x10 ³³ 59x10 ³³
DIN 51805	Kesternich method - flow pressure at 20°C	mbar	740
Load-carrying capacity, wear protection, service life			
	Four-ball tester (VKA)		
DIN 51350 pt. 4	Weld load	N	3000
DIN 51350 pt. 5	Wear under 800N load Almen-Wieland machine OK load Friction force	mm N N	0.9 20000 1710
Coefficient of friction			
	Press-Fit test $\mu =$		0.09
Resistance			
DIN 51807 pt. 1	Water resistance, static		2 - 90
Corrosion protection			
DIN 51802	SKF-Emcors method Degree of corrosion		0 - 1
Oil separation - evaporation			
DIN 51817	Oil separation, standard test	%	1.5

1: Thermal stability of solid lubricant
*: ASTM: American Society for Testing and Materials
ISO: International Standardisation Organisation
DIN: Deutsche Industrie Norm

How to use / How to apply:

The sliding surfaces should be cleaned. The paste should then be applied with a suitable brush, rag or grease gun. It should not be mixed with greases or oils.

Handling precautions:

Product safety information required for safe use is not included. Before Handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The safety data sheet is available on request.

Usable life and storage:

When stored at or below 20°C in the original unopened containers, this product has a usable life of 60 months from the date of production.

Packaging:

This product is available in different standard container sizes. Detailed container size information should be obtained on request.

Limitations:

This product is neither tested or represented as suitable for medical or pharmaceutical uses.

Health and environmental information:

For further support or information, please contact us.

Warranty information - please read carefully:

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use.

Manufacturer's sole warranty is that the product will meet the manufacturer sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. The manufacturer specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless the manufacturer provides you with a specific, duly signed endorsement of fitness for use, the manufacturer disclaims liability for any incidental or consequential damages.

Suggestions of use shall not be taken as inducements to infringe any patent.