



meguinfo

Art.-Nr. 3209.010

Stand: 02.11

megol Wälzlagerfett KP1K-35

A high quality lithium soap grease for the lubrication of roller- and plain bearings at higher temperatures and extreme pressure loads. Besides corrosion- and oxidation protection additives, it contains EP-additives which give this grease optimal lubricating characteristics, and which assure full effectiveness even at the presence of up to 20 % water.

Service range from -35 °C to +130 °C.

Identification acc.to DIN 51502: KP1K-35

Approval: Lubrication DIN 51825-KP1K-35

Characteristic data

approx. values

Appearance and properties

natural colour, supple,

Saponification type

base oil viscosity at 40 °C

soft

Flash point

Li - Ca

Pour point

Drip point

Consistency class

DIN 51562

mm²200

DIN ISO 2592

°C

240

DIN ISO 3016

°C

- 25

DIN ISO 2176

°C

180

DIN 51818

1

Fulling penetration

DIN ISO 2137

0,1 mm

330-350

Fulling stability

DIN ISO 2137

Difference after 5.000 u. 60 DH

0,1 mm

< 10

Difference after 100.000 u. 60 DH

0,1 mm

< 20

Timken-Test

Friction with stress of

43 lbs

mg

< 4,0

Weight

DIN 51807 part 1

lbs

50

1-90

Property against water

Anti-corrosion properties

Emcor-method

DIN 51802

Corr.-degr.

0

Copper strip test

DIN 51811

Corr.-degr.

solid foreign bodies

DIN 51813

1-100

< 4

Test screen mesh 140 µ

DIN ISO 3733

mg / kg

< 0,1

Water content

Neutralization number, alkaline

DIN 51809 Teil 1

g / 100 g

2,0

Oil separation after 7 days

And + 40 °C

DIN 51817

g / 100 g

7,0

Ashes, oxide

DIN EN 7

g / 100 g

1,3

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Ashes, sulphate	DIN 51803	g / 100 g	2,7
Mechanical/dynamic test B at + 120 °C	DIN 51806		excellent passing
Pipe friction resistance in the Shell-de Limon rheometer			
Delivery rate		g / min	1 10 100
7 mm clearance at + 20 °C		bar / m	<2,2 <3,2 <5,5
7 mm clearance at - 20 °C		bar / m	<9 <24 <100
Delivery rate		g / min	10 100 200
16 mm clearance at + 20 °C		bar / m	<0,85 <1,35 <1,8
16 mm clearance at - 20 °C		bar / m	<3.8 <11,0 <16,0
Oxidation resistance		bar	< 0,3
Pressure fall after 100 h at + 99 °C	DIN 51808		
Unstress characteristics at + 20 °C	SEB 181-305	bar	< 2,0
after 3 min		bar	< 1,8
after 10 min			

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