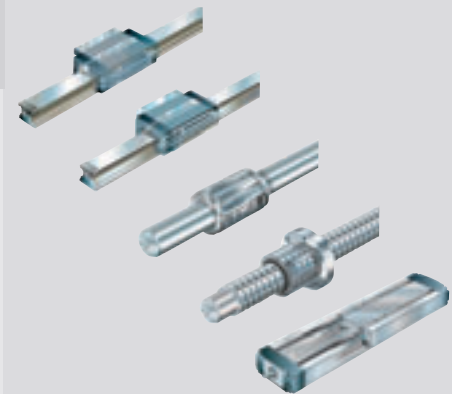


# Product Data Sheet

R310EN 2052/2010-02 1/1

## Dynalub 510

### High-performance Lubricant for Linear Motion Systems



#### ● Product Description

Dynalub 510 is a NLGI Category 2 lithium-based high-performance grease specially developed for linear motion systems. It is notable for offering excellent water resistance and protection against corrosion, and is suitable for use at temperatures of between  $-20^{\circ}\text{C}$  and  $80^{\circ}\text{C}$ .

#### ● Technical Data

Chemical composition	Mineral oil, special lithium soap, agents
Designation	KP2K-20
Appearance	Light-brown/beige, ground-fiber
Service temperature range	$-20^{\circ}\text{C}$ to $+80^{\circ}\text{C}$
NLGI Category	2
Worked penetration	265-295 1/10 mm
Water resistance	0-60, 1 -90
Melting point in $^{\circ}\text{C}$	$> 165$
Flash point in $^{\circ}\text{C}$	$> 200$ , base oil
Basic oil viscosity	100 $\text{mm}^2/\text{s}$ $40^{\circ}\text{C}$ 10 $\text{mm}^2/\text{s}$ $100^{\circ}\text{C}$
Flow pressure at $-20^{\circ}\text{C}$	$< 1400$ hPa
EMCOR test	0/0
Density at $+25^{\circ}\text{C}$	appr. 0.92 $\text{g}/\text{cm}^3$
Copper corrosion	2 (24 h/ $120^{\circ}\text{C}$ )
Four ball tester welding load	$> 2000$ N
Four ball tester impression diameter	0.93 (400 N, 1 h)
Shelf life in container	2 years

#### ● Applications

Under conventional environmental conditions this ground-fiber, homogeneous grease is ideally suitable for the lubrication of linear elements:

- for loads of up to  $0.5 C_{\text{dyn}}$
- also for short-stroke applications  $\geq 1$  [mm]

DIN 51 825

DIN ISO 2137

DIN 51 807 Part 1

DIN ISO 2176

DIN ISO 2592

DIN 51 562

DIN 51 805

DIN 51 802

DIN 51 757

DIN 51 811

DIN 51 350 Part 4

DIN 51 350 Part 5

Please note the additional data given in *Section 7*.

*Handling and Storage* on page 2! (safety data sheet)