



## ROLLER BEARING GREASE LC 002

**ROLLER BEARING GREASE LC 002** is a natural coloured lithium complex soap lubricating grease, based on mineral oil.

**ROLLER BEARING GREASE LC 002** is appropriate for lubricating highly pressure loaded roller and friction bearings at increased bearing temperatures. It is particularly recommended for lubricating the wheel bearings of utility vehicles and for high speed car wheeling bearings.

### BENEFITS:

- work stable
- oxidation resistant
- water resistant
- good corrosion protection properties
- high thermal load
- high pressure absorption
- good adhesiveness

### TYPICAL ANALYSIS:

Properties	Value	Unit	DIN / ISO
NLGI-Class	2		DIN 51818
Working temperature with permanent lubrication Admissible temp. peaks for short periods With constant temperatures above 150° C the devices must be re-lubricated in shorter intervals, depending on the thermal load	-35 up to +160 + 200	°C °C	DIN 51825
Dropping point	> 260	°C	DIN ISO 2176
Worked penetration	265 – 295	0,1 mm	DIN ISO 2137
Water resistance	1		DIN 51807 T1
Corrosion protection EMCOR	Corrosion degree 0		DIN 51802
Corrosion effect on copper at 150° C	Corrosion degree 1		EN ISO 2160
Soap base	lithium complex		DIN 51811
Base oil viscosity at 40° C	approx. 110	mm <sup>2</sup> /s	DIN 51562
Oxidation resistance Pressure drop after 100 h/99° C	< 0,3	bar	DIN 51808
Timken-Test (O.K.-load)	approx. 50	lb	ASTMD-2509
Mech.-dyn. test <b>FE 9</b> Lubricating grease usable life at 150° C	F <sub>50</sub> > 150 h		DIN 51821-02-A/1500/6000-150
Four-ball O.K. load	2200	N	DIN 51350 T4
Four-ball welding load	2400	N	DIN 51350 T4
Oil separation at 40° C 18 h 7 d	0,5 3,2	% %	DIN 51817
Marking	KP2P-35		DIN 51502