# **Product Information**



## **TUNGREASE CK-2**

High-performance grease with a mineral oil base and very good wear and corrosion protection

#### **Benefits**

- ✓ High pressure rating for optimum wear protection and thus longer component service life
- Exceptional water resistance and high corrosion protection allow reliable lubrication even when exposed to water or used in outdoor applications
- ✓ Versatile high-performance lubricating grease to help reduce the number of products required

### **Properties**

- Highly adhesive and pressure-resistant high-performance grease suitable for a wide range of applications
- Specially developed combination of mineral oils, CaSuX thickener and additives to protect against wear, oxidation and corrosion

### Application area

- Heavily loaded roller and slide bearings at medium speeds and in adverse environmental conditions, as well as long-term lubrication in all areas of machine and plant construction
- Outdoor applications, wet conditions, dust, vibration, shock loads and high-pressure loads
- ✓ In general wet areas, in the textile finishing industry, in filling stations, in the paper industry and in leather processing
- ✓ In hydraulic engineering and shipbuilding, in port and shippard facilities, dams and lifting stations
- ✓ For maintenance-free long-term lubrication of motor vehicles, construction machinery, agricultural vehicles, cranes, forklift trucks and lifting equipment
- At high temperatures, e.g. on autoclaves, fan bearings, kiln bearings, diverter wheels, guides and joints

#### Instructions

In accordance with technological standards for lubricating greases.

We recommend cleaning the surfaces to be lubricated beforehand with a suitable cleaner (TUNCLEAN 895, FDB or EL) and leaving to dry.

Product Description	Contents	Weight of content	Gross weight	Article Number	Packaging Unit
TUNGREASE CK-2	0 ml	1 kg	1.245 kg	11ACF13040G0010	10 PCS

The information provided here is based on our general technical experience and knowledge related to printing. All specifications are guidelines based on product design, the specified use and mechanical and systems engineering. But the information does not represent any pledge about features or any assurance about the product's suitability for use in a particular case. The user is not released from the responsibility of testing the product.

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# **Product Information**



Technical Product Data    Tungresc CK-2		
Colour spectrum  Dil basis  Mineral oil  Thickener  Calcium sulfonate complex soap  Base oil viscosity, kinematic/conditions  NLGI grade/conditions  Behaviour in the presence of water/conditions  Corrosion rating EMCOR, dist. Water/conditions  Corrosion rating EMCOR, dist. Water/conditions  Rating copper corrosion/conditions  Rating copper corrosion/conditions  Rating copper water/konditions  Rating copper water/konditions  Rolling element wear MK50 (FE8 test)/conditions  VKA welding load/conditions  VKA welding load/conditions  VKA welding load/conditions  Four-ball test, wear mark at 1h/300N/conditions  Four-ball test, wear mark at 1min/1000N/conditions  Pour-ball test, wear mark at 1min/1000N/conditions  Four-ball test, wear mark at 1min/1000N/conditions  Pour-ball test, wear mark at	Technical Product Data	TUNGREASE CK-2
Oil basis  Mineral oil  Thickener  Base oil viscosity, kinematic/conditions  NLGI grade/conditions  Package of water/conditions  Sehaviour in the presence of water/conditions  Corrosion rating EMCOR, dist. Water/conditions  Rating copper corrosion/conditions  Rating copper corrosion/conditions  Rating copper corrosion/conditions  Rolling element wear MW50 (FE8 test)/conditions  VKA welding load/conditions  VKA welding load/conditions  Four-ball test, wear mark at 1h/300N/conditions  Four-ball test, wear mark at 1min/1000N/conditions  Pour-ball test, wear mark at 1min/1000N/conditions  Four-ball test, wear mark at 1min/1000N/conditions  Pour-ball test, wear mark at 1min/1000N/conditions	Density/conditions	1 g/cm <sup>3</sup> / at 20°C
Thickener  Base oil viscosity, kinematic/conditions  NLGI grade/conditions  Part of DIN 51818  Behaviour in the presence of water/conditions  Corrosion rating EMCOR, dist. Water/conditions  Rating copper corrosion/conditions  Rating copper corrosion/conditions  Rating copper corrosion/conditions  Rolling element wear MW50 (FE8 test)/conditions  Rolling element wear MW50 (FE8 test)/conditions  VKA welding load/conditions  VKA welding load/conditions  Four-ball test, wear mark at 1h/300N/conditions  Four-ball test, wear mark at 1min/1000N/conditions  Four-ball test, wear mark at 2min/1000N/conditions  Four-ball test, wear mark at 2min/1000N/conditions  Four-ball test, wear mark at 2min/1000N/conditions  Pour-ball test, wear mark at 1min/1000N/conditions  Pour-ball test, wear mark at 1min/1000N/conditions  Pour-ball test, wear mark at 2min/1000N/conditions  Pour-ball test, wear mark at 2min/1000N/conditions  Pour-ball test, wear mark at 1min/1000N/conditions  Pour-ball test, wear mark at 1min/	Colour spectrum	Brownish
Base oil viscosity, kinematic/conditions  NLGI grade/conditions  2 / with DIN 51818  Behaviour in the presence of water/conditions  Corrosion rating EMCOR, dist. Water/conditions  Rating copper corrosion/conditions  Rating copper corrosion/conditions  Rating cage wear MK50 (FE8 test)/conditions  Rolling element wear MW50 (FE8 test)/ conditions  VKA welding load/conditions  VKA welding load/conditions  4800 N / in accordance with DIN 51350-3, VKA test (Institute for Internal Combustion Engines)  Four-ball test, wear mark at 1h/300N/ conditions  Four-ball test, wear mark at 1min/1000N/ conditions  Pour-ball test, wear mark at 1min/1000N/ conditions	Oil basis	Mineral oil
NLGI grade/conditions  2 / with DIN 51818  Behaviour in the presence of water/conditions  Corrosion rating EMCOR, dist. Water/conditions  Rating copper corrosion/conditions  Rating cage wear MK50 (FE8 test)/conditions  Rolling element wear MW50 (FE8 test)/ conditions  VKA welding load/conditions  VKA welding load/conditions  Four-ball test, wear mark at 1h/300N/ conditions  Four-ball test, wear mark at 1min/1000N/ conditions  Four-ball test, wear mark at 2min/1000N/ conditions  Four-ball test, wear mark at 2min/1000N/ conditions  Four-ball test, wear mark at 2min/1000N/ conditions  Per test (F50)/conditions  ≥ 100 h / B/1500/6000-140, nach DIN 51821-2, FE9-Test  Min. dripping point/conditions  2 / with DIN 51807-1  1-100 / nach DIN 51807-1  2 / nach DIN 51807-1  3 / nach DIN 51807-1  4 / nach DIN 51807-1  5 / nach DIN 51811  5 / nach DIN 51810-1  5 / nach DIN 51811  5 / nach DIN 51811  5 / nach DIN 51810-1  5 / nach DIN 51811  5 / nach DIN 51807-1  5 / nach DIN 51811	Thickener	Calcium sulfonate complex soap
Behaviour in the presence of water/conditions  Corrosion rating EMCOR, dist. Water/conditions  Rating copper corrosion/conditions  Rating copper corrosion/conditions  Metal cage wear MK50 (FE8 test)/conditions  Rolling element wear MW50 (FE8 test)/ conditions  VKA welding load/conditions  VKA welding load/conditions  4800 N / in accordance with DIN 51350-4, VKA test (Institute for Internal Combustion Engines)  Four-ball test, wear mark at 1h/300N/ conditions  Four-ball test, wear mark at 1min/1000N/ conditions  Four-ball test, wear mark at 1min/1000N/ conditions  Four-ball test, wear mark at 1min/1000N/ conditions  Four-ball test, wear mark at 2 1min/1000N/ conditions  Four-ball test, wear mark at 2 1min/1000N/ conditions  E9 test (F50)/conditions  ≥ 100 h / B/1500/6000-140, nach DIN 51821-2, FE9-Test  Min. dripping point/conditions  200 °C / in accordance with DIN ISO 2176	Base oil viscosity, kinematic/conditions	180 mm <sup>2</sup> /s / at 40°C
tions  Corrosion rating EMCOR, dist. Water/conditions  Rating copper corrosion/conditions  Rating copper corrosion/conditions  Metal cage wear MK50 (FE8 test)/conditions  Rolling element wear MW50 (FE8 test)/ conditions  VKA welding load/conditions  VKA welding load/conditions  Four-ball test, wear mark at 1h/300N/ conditions  Four-ball test, wear mark at 1min/1000N/ conditions  Pour-ball test, ball	NLGI grade/conditions	2 / with DIN 51818
ditions  Rating copper corrosion/conditions  Metal cage wear MK50 (FE8 test)/conditions  Rolling element wear MW50 (FE8 test)/ conditions  VKA welding load/conditions  VKA welding load/conditions  VKA wear mark at 1h/300N/ conditions  Four-ball test, wear mark at 1min/1000N/ conditions  Pour-ball test, wear mark at 1min/1000N/ conditions  Pour-bal	· ·	≤ 1-90 / nach DIN 51807-1
Metal cage wear MK50 (FE8 test)/conditions≤ 50 mg / C-75/50-40, nach DIN 51819-3, FE8-TestRolling element wear MW50 (FE8 test)/conditions≤ 20 mg / C-75/50-40, nach DIN 51819-3, FE8-TestVKA welding load/conditions4800 N / in accordance with DIN 51350-4, VKA test (Institute for Internal Combustion Engines)Four-ball test, wear mark at 1h/300N/conditions0.4 mm / in accordance with DIN 51350-3, VKA testFour-ball test, wear mark at 1min/1000N/conditions0.45 mm / in accordance with DIN 51350-2, VKA testFe9 test (F50)/conditions≥ 100 h / B/1500/6000-140, nach DIN 51821-2, FE9-TestMin. dripping point/conditions290 °C / in accordance with DIN ISO 2176	The state of the s	≤1 / nach DIN 51802, SKF Emcor-Test
Rolling element wear MW50 (FE8 test)/ conditions  VKA welding load/conditions  4800 N / in accordance with DIN 51350-4, VKA test (Institute for Internal Combustion Engines)  Four-ball test, wear mark at 1h/300N/ conditions  Four-ball test, wear mark at 1min/1000N/ conditions  Four-ball test, wear mark at 1min/1000N/ conditions  Four-ball test, wear mark at 1min/1000N/ conditions  FE9 test (F50)/conditions  ≥ 100 h / B/1500/6000-140, nach DIN 51821-2, FE9-Test  Min. dripping point/conditions  290 °C / in accordance with DIN ISO 2176	Rating copper corrosion/conditions	1-100 / after 24h at 100°C, nach DIN 51811
conditions  VKA welding load/conditions  4800 N / in accordance with DIN 51350-4, VKA test (Institute for Internal Combustion Engines)  Four-ball test, wear mark at 1h/300N/ conditions  Four-ball test, wear mark at 1min/1000N/ conditions  Four-ball test, wear mark at 1min/1000N/ conditions  FE9 test (F50)/conditions  ≥ 100 h / B/1500/6000-140, nach DIN 51821-2, FE9-Test  Min. dripping point/conditions  290 °C / in accordance with DIN ISO 2176	Metal cage wear MK50 (FE8 test)/conditions	≤ 50 mg / C-75/50-40, nach DIN 51819-3, FE8-Test
Four-ball test, wear mark at 1h/300N/ conditions  Four-ball test, wear mark at 1min/1000N/ conditions  Four-ball test, wear mark at 1min/1000N/ conditions  FE9 test (F50)/conditions  ≥ 100 h / B/1500/6000-140, nach DIN 51821-2, FE9-Test  Min. dripping point/conditions  290 °C / in accordance with DIN ISO 2176		≤ 20 mg / C-75/50-40, nach DIN 51819-3, FE8-Test
conditions  Four-ball test, wear mark at 1min/1000N/ conditions  FE9 test (F50)/conditions  ≥ 100 h / B/1500/6000-140, nach DIN 51821-2, FE9-Test  Min. dripping point/conditions  290 °C / in accordance with DIN ISO 2176	VKA welding load/conditions	4800 N / in accordance with DIN 51350-4, VKA test (Institute for Internal Combustion Engines)
conditions  FE9 test (F50)/conditions  ≥ 100 h / B/1500/6000-140, nach DIN 51821-2, FE9-Test  Min. dripping point/conditions  290 °C / in accordance with DIN ISO 2176		0.4 mm / in accordance with DIN 51350-3, VKA test
Min. dripping point/conditions 290 °C / in accordance with DIN ISO 2176		0.45 mm / in accordance with DIN 51350-2, VKA test
	FE9 test (F50)/conditions	≥ 100 h / B/1500/6000-140, nach DIN 51821-2, FE9-Test
Min./max. temperature conditions -20 to 140 °C	Min. dripping point/conditions	290 °C / in accordance with DIN ISO 2176
	Min./max. temperature conditions	-20 to 140 °C

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