



RAVENOL Kupferpaste

RAVENOL Kupferpaste is a lithium grease containing copper powder as a solid lubricant additive, anti-wear additives, and anti-corrosion properties. It is suitable for application to components which are exposed to high temperatures, strong pressures and corrosive influences.

RAVENOL Kupferpaste reduces friction and wear, and provides protection against corrosion and seizing.

Application Notes

RAVENOL Kupferpaste is used in the automotive industry at disc brakes (brake pads) and exhaust systems, and in the chemical industry for flanges and fittings of hot steam treatment, turbines and boilers. It is also used in the mining and quarrying industry to lubricate air hammers, concrete and stone drills.

RAVENOL Kupferpaste was also developed for the lubrication of screw and bushings in drill pipes.

Quality Classifications

RAVENOL Kupferpaste is tried and tested for aggregates specifying:

Specifications

DIN 51 502: KF1,5U-20, ISO 6743 Part 9: ISO-L-XBGE1-2

Characteristic

RAVENOL Kupferpaste offers:

- Excellent shear stability
- Outstanding corrosion protection
- Very good mechanical and chemical stability
- Good adhesion to metal surfaces
- Good oxidation stability
- From 200°C, the mineral oil components evaporate and the solid lubricant remains at the lubrication point

Characteristics	Unit	Data	Audit
Colour		copper	visual
Thickener		Lithium Complex Soap	-
Additives		Copper	-
NLGI-Class		1-2	DIN 51 818
DIN-Product-Classification		KF1,5U-20	DIN 51 502
ISO-Product-Classification		ISO-L-XBGE1-2	ISO 6743 P.9
Working Temperature	°C	-20 / +1100	DIN 51 825
Short Term up to	°C	1100	-
Worked Penetration 60 strokes	mm/10 bei 25°C	305-325	ISO 2137
Corrosion (SKF Emcor dist. Water)	Corr. Degree	0	DIN 51 802
Copper Corrosion (24h/120°C)		1	DIN 51 811
Water Resistance (3h/90°C)	°C	1-90	DIN 51 807 P.1
VKA Pressure Carrying Capacity	N	2600 - 2800	DIN 51 350 P.4
Kinematic Viscosity (Base Oil)	mm ² /s bei 40°C	130	DIN 51562-1

All indicated data are approximate values and are subject to the commercial fluctuations.

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

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