

## Kopal 1000

*A Premium Grade High Temperature  
Antiseize Compound*

### Benefits :

- Combination of solid lubricants used provides better load carrying capacity and improved antiseize properties
- Avoids seizures at high temperatures.
- Easy dismantling even after relatively long periods of service.
- Braves humid, corrosive and salty environments.
- Meets breakaway torque requirements of MIL-A-907E.
- Highly economical due to extensive area coverage.
- Averts stress built up on components.
- Low co-efficient of friction.
- Good brushability.
- Contains Copper and other Solid Lubricants enhancing high loads and high temperature performance.

### Applications :

- For slow moving components.
- Gears, racks and pinions, spline, shafts, plain bearings, pivot joints.
- Studs, bolts, nuts and other threaded connections and stainless steel parts.
- For threaded connections in high temperature areas such as steam lines, generators, engine heads, exhaust pipes, gas turbines & for threaded connections like valve spindles for steam and other services.
- Equipment subjected to marine, fresh or sea water.

Characteristics	Test Method	Unit	Specifications
Appearance	Visual	–	Smooth Paste
Colour	Visual	–	Copper Brown
Base Oil	-	-	Synthetic
NLGI Grade	–	–	# 2/1
Worked Penetration	ASTM D-217	0.1 mm	290 – 310
Surface Area Coverage [approx.]	*CTM	m <sup>2</sup> /kg.	40
Water Washout @ 80°C, wt. loss	ASTM D-1264	%	< 5
Four Ball Weld Load	ASTM D-2596	N	4000
Co-efficient of Friction [μ]	*CTM	–	0.06 - 0.07
Copper Strip Corrosion Test	ASTM D-4048	rating	1a
Solid Lubricant	–	–	Copper / Graphite
Operating Temperature Range			
Base Oil	–	°C	-40/+180
Solid Lubricants	–	°C	-40/+1100

\*CTM =Corporate Test Method

**Caution:** Do not use as a bearing grease.

Marginal variation in shade can be expected from batch to batch. The color has no effect on the lubricating properties of the product.

MSDS available on request.

Due to continual upgradation of products above data is subject to change without notice

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This supersedes our previously issued data sheets.

Information and data given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of a product for a particular use is beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE.

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