

## Kopal-Kote

*Copper based high performance drill collar and tool joint compound*

### Benefits :

- Helps in preventing seizures when excessive drilling Torques are encountered.
- Helps to provide protection to all rotary shouldered connections under every drilling condition.
- Prevents galling & seizure and helps in easy breakout.
- Excellent frictional characteristics help to tighten the connections at desired stress levels.
- Service Rating: (-) 12°C [10°F] to (+) 300°C [572°F].

### Applications :

- For lubrication of Jack up rig leg racks and pinions.
- For lubrication of drill pipes, collars, tools and Jacking system.
- For horizontal drilling machines.

### Physical Data :

Characteristics	Test Method	Unit	Specifications
Appearance	Visual	–	Smooth Paste
Colour	Visual	–	Copper Black
NLGI Grade	–	–	#2/1
Worked penetration	ASTM D-217	0.1 mm	290 – 310
Dropping Point	ASTM D-2265	°C	+ 180°C
Four Ball Weld Load	ASTM D-2596	N	8000
Oil Separation @100 °C, 24 hrs.	CTM	%	< 2.5
Copper Strip Corrosion	ASTM D-4048	rating	1a

MSDS available on request.

Due to continual upgradation of products above data is subject to change without notice  
This supersedes our previously issued data sheets.

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