

# **MAK FORM AL**

## **Description**

MAK FORM AL is premium quality aluminum wire drawing lubricant containing high level of lubricity additives, which facilitate drawing / forming by providing proper lubrication between the metal and the die even at elevated temperatures. Proper lubrication is very critical for metal forming application of Aluminum and other Aluminum alloys in order to provide better surface finish and extending die life.

## **Application**

MAK FORM AL is suitable for use in wire drawing /forming of Aluminum and Aluminum alloy. There are many applications for wire drawing which include electrical wiring, Aluminum cables, tension-loaded structural components, etc. These applications are generally found in Aluminum wire /cable manufacturing industries etc. It is Suitable for a wide range of Aluminum and Aluminum alloy metal.

## **Benefits**

- Improved cooling
- Extended Die/tool life
- Improved lubricity
- Good film strength
- Excellent finishing

## **PERFORMANCE LEVEL**

Proprietary Grade

## Technical Specifications

Sr.No	Characteristics	ASTM	MAK FORM AL
1	Appearance	Visual	Light Brown & clear
2	Flash point by COC	D 92	268 °C
3	Pour Point	D 97	-9 °C
4	Kinematic Viscosity at 40°C	D 445	210 cSt
5	Copper corrosion, 100°C, 3 hrs	D 130	1a

All the mentioned values are typical which may vary from batch to batch

## Storage and Handling

- Indoor Storage is always preferable
- Barrels should be kept horizontally with bunk position at 3 O'clock 9 O'clock position
- Barrels should be kept away from dusty or heated areas.
- During handling any contact with dust must be avoided

## Health & Safety

This grade is not hazardous under normal conditions of use. For further guidance appropriate Material Safety Data Sheet may be referred.

## Advice

For any further advice on applications or otherwise please contact the nearest Bharat Petroleum Territory Office or Technical Services Department at the address given below.

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