

TECHNICAL SPECIFICATIONS FOR ALUMINUM WIRE DRAWING LUBRICANT

1. **Scope:**

The drawing lubricant must be designed for aluminum wire drawing on high – speed slip machines .

it is suited to MT50 SAMP ROD BREAKDOWN machine

Aluminum used in electrical cables manufacture

2. **Quality requirement :**

The lubricant must be with the following advantages:

-Extra ordinary for dies life.

-Excellent cleanliness of the wires surface.

-Excellent cleanliness of drawing machine, cones and dies.

-lifetime lubricant

3. **Material:**

It shall meet the requirement as specified in the table given below:

Sr. No.	Propriety	Requirements
1	Density at 20 °C	0.89 g /ml Approx.
2	Flashpoint	Over 190 °C
3	Viscosity at 40 °C	120 -180 (mm ² /s) cSt Approx
4	Viscosity at 100 °C	15 (mm ² /s) c St Approx
5	Freezing point	Below 0 °C
6	Appearance	A medium viscosity clear amber coloured oil
7	Working temperature	45 – 50 °C

4. **Packing**

The material shall be properly packed in strong steel barrels 180 – 205 liter in a manner that avoids problem in transportation & storage with safe tight closed opening

The material shall be marked for proper identification and clearly written on each barrel:

- Name of manufacturer
- Date of manufacture.
- Expire date.
- Net weight.

5. **Sample**

10 liters of drawing lubricant to reach our company before closing dates by express delivery unless his material is already successfully tested.

Sample shall be the basis for accepting or rejecting the offer.