

TECHNICAL DATA SHEET

CINDOL® 4683-S METAL FORMING LUBRICANT

CINDOL® 4683-S was developed especially for use as a lubricant for drawing and forming aluminum. It can be used for difficult non-ferrous stamping and forming operations as well as for rod breakdown drawing of aluminum wire.

Applications

In addition to its remarkable lubricating characteristics, CINDOL® 4683-S contains a unique additive, ND. This dramatically lowers the coefficient of friction of steel to aluminum, aluminum to aluminum and can also be used on stainless steel, bronze, brass, galvanized steel, titanium and other metals.

When CINDOL® 4683-S is used for wire drawing, it has the following advantages over conventional lubricants: brighter wire, permits faster drawing speeds, dies run cooler and build-up on the die is reduced.

Recommendation for Use

The protective film which remains on the wire keeps it bright and clean. There is no problem with adhesion of insulation coatings.

Benefits

- Clean brighter metal surfaces with improved metal finish
- Excellent lubricity for greatly reduced die pickup
- Lower viscosity than CINDOL® 4683-S equals less drag out

Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance	Amber liquid	
Viscosity at 100°F (38°C)	600	SUS
Odor	Bland	
Flash Point (C.O.C)	350 177	°F °C
Fire Point (C.O.C)	410 210	°F °C
Density	7.49	lbs/gal
Specific Gravity	.90	

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