

MARTOL 5088 S



METALWORKING



TOTAL

Chlorine-free, Drawing and Forming Lubricant for Ferrous and Non-Ferrous Metals.

APPLICATIONS

- **MARTOL 5088 S** is a viscous lubricant that provides excellent lubricity and film strength in metal extrusion operations. It is specially formulated to provide exceptional protection to workpiece and dies without the use of reactive elements such as sulfur, chlorine, or phosphorus.
- **MARTOL 5088 S** works to provide a chemical barrier between the workpiece and the die. This barrier prevents abrasion of the workpiece and extends the life of the die.
- **MARTOL 5088 S** is recommended for heavy duty cold heading and extrusion of various metals including aluminum and copper.
- **MARTOL 5088 S** should be used as received and is generally applied by flooding the workpiece. This product, however, may be applied to strips or blanks by dipping, rolling, or brushing. Parts cleaning is accomplished by solvent degreasers or conventional hot alkaline cleaners.

ADVANTAGES

- Very good film strength for metal extrusion operations.
- Increases die life.
- Excellent lubricity properties--Increases the die life on a large scale of parameters maintaining an additive layer on the die and workpiece surfaces.
- Handles a broad spectrum of metals.
- Excellent metal wetting ability.
- Anti-weld agent.
- No sulfur, chlorine, or phosphorus.

TYPICAL CHARACTERISTICS	MARTOL 5088 S
Appearance	Viscous Pale Liquid
Color, ASTM D-1500	2.5
Viscosity at 100°C, cSt	60.4
Density @ 60 °F, lbs./gal.	7.46
Specific Gravity @ 60/60 °F	0.894
Flash Point, COC, °F	480
Copper Strip Corrosion	1A - 1B
Lubricity Content, %wt.	20.0
Sulfur, %wt.	None
Chlorine, %wt.	None

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