

# Poly Lube TL-48 50%

## Extrusion Cold Form Lubricant

TL-48 is a water based DRY FILM lubricant which imparts extremely high LUBRICATION and anti-friction properties when applied to metal surfaces. Particularly effective for cold forming AND metal drawing operations.

TL-48 provides low residue levels (a problem with soap and other lubes) allowing for greater dimensional and finished part weight control. DOES NOT RUB-OFF. INTERNALLY BONDED FOR TOUGHNESS.

TL-48 provides a significant "HIGHEST PERFORMANCE, SUPERIOR QUALITY & LOWEST COST" advantage over oil and soap-type products. Can be used on all types of metals. Simple air-dry dip process.

## Features & Benefits

- Eliminate Zinc & Soap Sludge From Wastewater System.
- Use With Non-zinc "interlock Pre-polymer" Or With Zinc Phosphate. □ Good Corrosion Resistance And Easily Removed If Needed In Simple Wash □ Improved Die Life Due To Higher Lubrication Properties.
- Easy To Control. Ash Free. Residual Lubricant Does Not Interfere With Subsequent Machining Or Coolant Fluids.
- No Odors, Mild To Employees Handling Parts.
- Non-hazardous
- Easily Wastewater Treatable.
- Biodegradable..
- Non-dusting Locked Coating Which Imparts Lubrication And Corrosion.

## Typical Processing

1. Pre-clean Parts to Remove Grease, Oil, Oxide, Rust And Scale. (example: Clean #375- L S, B) Rinse, C) Acid Pickle to Remove Rust, D) Rinse
2. Zinc Phosphate Coat, Micron Process, typically 500-2500 Mg/sq. Ft
3. Neutralized Warm Rinse to Ph Of 8-11. \*Allow Dry Down of Parts
4. Dip Into Poly Lube, 110 -125 Deg. F., 25-50% By Volume with Soft Water. P.h. 9.5+, Mild Light Stirring Agitation. Apply Two Dips as Needed to Achieve Higher Coatings Per Application and To Assure Parts Are 100% Coated At The Center Of The Load.

5. Air Dry

## Specifications

pH	9.5
Prod._Type	Liquid
Spc.Grav	.9934
LBS./GAL	8.28
FOAM 0=low 9=high	0
Shelf life years:	10 years
Freeze information	Damaged by Freezing

## Packaging

Container Type	Poly Drum
Net Units	455.59
Tare Wt.	25
Gross Wt.	480
Dot_Name	Not regulated by D.O.T.
DOT Hazzard	Not regulated
Tariff ID	1521.10.40

## Use parameters

Concentration Range	Refractometer Level Of 6-12~
Range	105-125~
Time Range	Dip, Dry + Dip
Agitation	Mild Circulation.

## Other information

It is important that the **OSHA DATA, "Material Safety Data Sheet"** be carefully read and reviewed with the users of this product. OSHA data is required to be posted in the work area by law.



## Product Bulletin

Product Name: Poly Lube TL-48 50%  
Product Code: 2530038  
Revision Date: May 19, 2025

### Waste Disposal

Typical: Lower ph to 4.0, treat with coag. "alum. chloride", raise ph to >7.5 & to floc.

### Holding Tank Materials of Construction

Steel, Stainless or Poly.

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For more information on this process,  
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