

Drawing lubricants for copper tubes

Introduction

A wide and comprehensive range of lubricants specifically designed for use in drawing non-ferrous tubes used for ACR, sanitary and engineering applications. Synthetic and semi-synthetic technology is employed to meet the demanding specifications of users and their customers' requirements. The range is endorsed by leading tube and equipment manufacturers in Europe and Asia.

Features and benefits

- Optimum lubricating properties to ensure long tool life and enhanced surface finish of the drawn tube
- Excellent bright annealing characteristics in heat treatment processes with inert, dry atmospheres
- Low fume characteristics during high speed drawing
- High viscosity index maintains lubricating film even at elevated temperatures
- Lower carbon residues compared with more conventional polymer oils

The Tubol™ range

Due to the differing production processes in tube mills, often a bespoke lubricant programme is required to meet individual demands. We have a comprehensive range of tube mill lubricants for spinner blocks, bull blocks, draw benches, cascade lines, Pilger mills, extrusion presses and cast and roll applications.

Please contact our representatives to allow us the opportunity to view your process and to recommend a lubricant which will enhance your throughput and productivity.

Global specialists in high-performance lubricants

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Tubol™ Product Selector

Product	Viscosity at 40°C	Description
Primary Process Lubricants		
Tubol™ ML40	-	Graphite free, water based extrusion lubricant for spray application on the mandrel.
Tubol™ Extrusion Fluid	-	Corrosion Inhibitor for Extrusion Bath.
Tubol™ Pilger Fluid K	-	Pilger Mill Rolling Fluid.
Fully Synthetic Drawing Lubricant Range		
Tubol™ 203	125	High-lubricity fully synthetic range. Excellent clean annealing properties. Wide range of viscosities for ID and OD applications.
Tubol™ 275T	240	
Tubol™ 422	850	
Tubol™ 2000AL	2000	
Tubol™ 6000T	6000	
Semi-Synthetic Drawing Lubricant Range		
Tubol™ 615	30	Market leading, high-performance semi-synthetic range. Cover wide variety of applications for ID and OD.
Tubol™ 70S	75	
Tubol™ 405C	400	
Tubol™ 700	850	
Tubol™ 1000	1000	
Tubol™ 193	2000	
Tubol™ 2650GM	3450	
Tubol™ 2710DM	5000	
Tubol™ 1962JR	6000	
Semi-Synthetic Drawing Lubricants Plus Adhesion Promoting Additive		
Tubol™ 500TA	440	Adhesion promoter increases tenacity of the lubricating film.
Tubol™ 2710TA	5000	
Tubol™ 350TA	6900	
High Viscosity Index Drawing Lubricants		
Tubol™ 431 HVI	2200	Based on market leading Tubol technology but with higher volatility base oil to give improved annealing at lower temperature.
Tubol™ 4730P HVI	2700	
Tubol™ 2710DM HVI	5000	
Tubol™ 1962JR HVI	5800	
Semi-Synthetic Finishing Lubricant Range		
Tubol™ 621	15	Semi-synthetic range of finishing lubricants with high solvency to aid removal of previous ID lubricants to give lower carbon residues.
Tubol™ 277	28	
Tubol™ 80T	80	
Tubol™ 125C	125	
Finishing Pass Lubricants With High Hydrolytic Stability (improved resistance to ants nest corrosion)		
Tubol™ 203 HS	125	High-hydrolytic stability designed to minimise risk of ants nest corrosion.
Tubol™ 125C HS	128	
Annealer Lubricant for Level Wound Coils		
Tubol™ Decoiling fluid	-	Lubricant for Preventing the Sticking of Level Wounds Coils During Annealing.

Pack sizes

Tubol™ products are available in 200L drums.

The product information in this publication is based on knowledge and experience at the time of printing. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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