

Technical Data

Tubol™ FG 2000

Formerly Tubol 2000AL



METALUBE®

Synthetic, food-grade lubricant for the drawing of non-ferrous tube

Description

Tubol FG 2000 is a food grade, high viscosity, fully-synthetic, polymeric lubricant formulated for the cold drawing of non-ferrous tubes and rods.

Optimised for high-reduction primary ID applications such as primary breakdown, draw benches and cascades in both aluminium and copper tube production.

Their synthetic nature reduce post-heat-treatment staining and minimise carbon residues after annealing, delivering a bright, uniform finish. The higher viscosity provides enhanced film strength and lubrication under heavy loads, improving surface protection and tube quality during demanding reduction.

Tubol FG 2000 meets the requirements of the US Code of Federal Regulations, Title 21, section 178.3910 and registered by NSF in the U1 category, making it suitable for the manufacture of products intended to come into contact with food.

The Tubol range also offers alternative products tailored to specific processes.

Features and Benefits

- NSF U1 registered – certificate number 167865
- Designed for high-reduction primary ID applications
- Excellent lubrication providing superior tool life and enhanced surface finish to the drawn tube
- Superior bright annealing performance in heat treatment processes using inert, dry atmospheres, particularly at the lower temperature ranges for aluminium.
- High viscosity index maintains lubricating film even at elevated temperatures

Recommended Instructions for Use

Tubol FG 2000 should be applied to the work piece in its neat form.

Refer to the product safety data sheet for guidance on safe handling, storage and disposal.

Storage

Store FG 2000 products out of direct sunlight and protect from frost. Storage temperature should be controlled to between 5°C and 35°C.

The most up to date shelf-life information for Metalube products can be found on the certificate of analysis issued at the time of manufacture.

Pack Sizes

Code	Pack
F402625	20 Ltr poly
F402625	200 Ltr Barrel

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Property	Test method	Results
Appearance	MSTM 1	Clear colourless fluid
Kinematic viscosity at 40°C	MSTM 27	2000 cSt
Kinematic viscosity at 100°C	MSTM 28	100 cSt
Viscosity Index	Calculated	125
Density at 20°C	MSTM 23	0.87 g.cm ⁻³
Remaining residue TGA D50-550	MSTM 91	<0.2%

Note: these values are typical only and do not constitute a specification

Limited warranty information

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. We accept no liability for any loss and/or damage arising from a failure to store our products in accordance with the information contained in this technical sheet. Metalube Group's sole warranty is that our products will meet their quality control specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. To the fullest extent permitted by applicable law, Metalube Group specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Metalube Group disclaims liability for any incidental or consequential damages.

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