

Technical Data

Tubol™ FG 125

Formerly Tubol 203



METALUBE®

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

Description

Tubol FG 125 is a food grade, low viscosity, fully synthetic ID lubricant formulated for the cold drawing of non-ferrous tube and rods.

Optimised for final draw pass ID lubrication during copper tube finishing operations, such as high-speed spinner blocks and inner-grooved tube (IGT) production. Their lower viscosities promote effective heat dissipation and lower friction at high drawing speeds, to ensure efficient lubricant distribution and coverage in tight clearances. Tubol FG 125 can also be applied to OD applications where lower lubricant carry over is required.

Tubol FG 125 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 includes alternative lubricants tailored to different processes.

Features and Benefits

- NSF U1 registered – certificate number 167866
- Designed for ID finishing and IGT lubrication, also suitable for OD with low carry-over
- Provides excellent surface finish and dimensional accuracy during tube drawing
- Residual oil film evaporates cleanly during annealing, leaving minimal residue
- Excellent bright annealing in inert, dry heat-treatment atmospheres

Recommended Instructions for Use

Tubol FG 125 should be applied to the work piece in neat form.

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

Storage

Store Tubol FG 125 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
F401108	20 Ltr Poly
F401125	200 Ltr Barrel
F401120	1000 Ltr IBC

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Property	Test method	Results
Appearance	MSTM 1	Clear colourless fluid
Kinematic viscosity at 40°C	MSTM 27	125 cSt
Kinematic viscosity at 100°C	MSTM 28	14 cSt
Viscosity Index	Calculated	110
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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