

Technical Data

Tubol™ SY 1000 & SY 2000

Formerly Tubol AL 1000 & AL 2200



Synthetic lubricants for the drawing of non-ferrous tube

Description

Tubol SY 1000 and Tubol SY 2000 are fully synthetic, polymeric lubricants with medium to high viscosity, developed for the cold drawing of non-ferrous tubes.

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.

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

Features and Benefits

- Designed for high-reduction aluminium and copper ID applications
- Excellent lubrication extends tool life and delivers a superior surface finish
- Formulated with synthetic base oils and hydrolysis-resistant additives to protect against formicary corrosion and support bright-anneal results
- High viscosity index maintains viscosity at high temperatures for better lubrication
- Excellent bright annealing performance in heat treatment processes with inert, dry atmospheres
- Residue after bright annealing is compatible with R-134a refrigerant

Recommended Instructions for Use

Tubol SY 1000 and Tubol SY 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 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

Product	Code	Pack
SY 1000	F407725	200 Ltr Barrel
SY 2000	F407825	200 Ltr Barrel

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Property	Test method	Tubol SY 1000	Tubol SY 2000
Appearance	MSTM 1	Clear colourless fluid	Clear colourless fluid
Kinematic viscosity at 40°C	MSTM 27	1000 cSt	2100 cSt
Kinematic viscosity at 100°C	MSTM 28	100 cSt	170 cSt
Viscosity Index	Calculated	193	197
Density at 20°C	MSTM 23	0.85 g.cm ⁻³	0.85 g.cm ⁻³
Remaining residue TGA D50-550	MSTM 91	<0.1%	<0.1%

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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