

DRAWTEX CLF-300

HIGH PERFORMANCE OIL for TUBE and WIRE DRAWING

PRODUCT DESCRIPTION

DRAWTEX CLF-300 is a heavy metal-free, mineral oil-containing drawing oil used in mandrel drawing of welded and seamless pipes without the need for phosphating and soap baths and wire drawing. It is formulated with high additive technology. It provides excellent drawing operation by minimizing friction. It is a chlorine-free, fluor-free, and VOC-free high performance product.

APPLICATION / USAGE

DRAWTEX CLF-300 is especially developed for the drawing of welded and seamless pipes WITHOUT the need for phosphating and soap baths.

DRAWTEX CLF-300 can also be used for drawing operations of steel wires.

DRAWTEX CLF-300 enables the drawing of tubes and wires with narrow tolerances and superior surface quality.

DRAWTEX CLF-300 enables the cold drawing of pipes with small diameter and / or low wall thickness.

DRAWTEX CLF-300 is also used for the production of shock absorber tubes.

DRAWTEX CLF-300 is not compatible with nonferrous materials such as copper, brass and bronze.

The product should be applied by dipping in a tank at room temperature. No waiting time or readjustment of a component is necessary.

The storage tank should be stainless steel or epoxy coated. For the supply of the product, a diaphragm type pump should be used with stainless steel tubing if necessary. Sealing material should be Viton, PE, PP and HNBR.

ADVANTAGES / BENEFITS

- Provide superior surface quality due to its excellent lubrication ability and special additives
- It eliminates all installations used for phosphating and soaping. By using cold rolled steel as starting material, it is possible to work without pickling. Higher performance due to efficient reduction of wear
- No need to wait after applying the product. Reduces the number of tanks and baths to phosphate activation and passivation, thus higher production capacity
- The remaining lubricating film layer on the material surface ensures indoor rust protection up to 7-15 days
- It allows the production of pipes with a small diameter and thin walls that cannot be obtained by hot forming methods
- Provide long life and perfect equipment protection
- The drawing process does not require any additional additives or heating, thus higher process reliability

STORAGE

Protect from direct sunlight and rain. Store in the original closed drums and in covered areas. Storage temperature should be between +5 and +40°C.

"The above information is derived from our quality checks. Given values are typical of current production. While future production will conform to our specification, variations in these characteristics may occur. Quality Control Analysis Report for to learn properties of the product that is supplied can give. It does not relieve the purchaser from examining product upon delivery and gives no assurance of the product for any particular purpose. Due to continual product research and development, the information contained herein is subject to change without notification."

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| TECHNICAL PROPERTIES | TEST VALUES | TEST METHOD |
|-----------------------------------|-------------------|-------------|
| Appearance | Dark Brown, Clear | - |
| Density (20°C, g/mL) | 0,939 | ASTM D 4052 |
| Kinematic Viscosity (40°C, cSt) | 60,0 | ASTM D 445 |
| TAN (mgKOH/g) | 55,7 | ASTM D 974 |
| Flash Point | >160 | ASTM D 92 |
| Copper Corrosion (3 hours, 100°C) | 4b | ASTM D 130 |

Conclusion: Drawtex CLF-300 enables pipe drawing WITHOUT REACTIVE OIL and thus saves production time, energy, plant costs and production space and minimizes the use of hazardous chemicals. This makes the entire drawing process easier and safer.

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