

DRAWTEX CLF-700

HIGH PERFORMANCE OIL for TUBE and WIRE DRAWING

PRODUCT DESCRIPTION

DRAWTEX CLF-700 is a fully synthetic, biodegradable drawing oil, used in heavy duty mandrel drawing of welded and seamless pipes of steel and high alloyed steel, without the need for phosphating and soap baths. It is formulated with high additive technology and can be used for difficult and demanding drawing processes.

DRAWTEX CLF-700 is a high performance, heavy metal-free, chlorine-free, flour-free and VOC-free product.

APPLICATION / USAGE

Drawtex CLF-700 is especially developed for the production of steel and steel alloy tubes and wires.

Drawtex CLF-700 enables the drawing of tubes with narrow tolerances and superior surface quality.

Drawtex CLF-700 is not compatible with nonferrous materials such as copper and bronze.

DRAWTEX CLF-700 should be applied by dipping, brushing or spraying. No need of heating or chemical adjustment. The storage tank should be stainless steel or suitable plastic material.

For the transfer of the product, a piston pump should be used with stainless steel tubing. Sealing material should be Viton, PE, PP and HNBR.

ADVANTAGES / BENEFITS

- Provide superior surface quality due to its excellent lubrication ability and special additives
- Reduces the consumption of surface active and passivation chemicals as there is no need for phosphating and soaping bath, thus reduces the waste and disposal costs
- No need to wait after applying the product. Reduces the number of tanks and baths to phosphate activation and passivation, thus increase of production capacity
- Even under difficult conditions the forming oil allows net shape forming operations
- The lubricating film layer on the material surface provides a thin and short-term corrosion protection
- Reduces tool wear and extends tool life
- Retains its lubrication properties even under difficult operation conditions
- It allows the production of pipes with a small diameter and thin walls, that cannot be obtained by hot forming methods
- Huge savings in terms of procurement, handling, disposal costs and energy
- Biodegradable and environmentally friendly

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.

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TECHNICAL PROPERTIES	TEST VALUES	TEST METHOD
Appearance	Dark Brown, Clear	-
Density (20°C, g/mL)	0,995	ASTM D 4052
Kinematic Viscosity (40°C, cSt)	110,0	ASTM D 445
TAN (mgKOH/g)	105,0	ASTM D 974
Flash Point	>160	ASTM D 92
Copper Corrosion (3 hours, 100°C)	4b	ASTM D 130

"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."