

## DRAWTEX MKU-270

### HIGH PERFORMANCE MASSIVE COLD FORMING OIL

#### PRODUCT DESCRIPTION

DRAWTEX MKU-270 is a fully synthetic, biodegradable forming oil, used for very difficult and demanding massive cold forming of steel and high alloyed steels, without the need for e.g. phosphating or other conversion layers. It is formulated with high additive technology. It provides excellent cold forming operations.

DRAWTEX MKU-270 is a high performance, heavy metal-free, chlorine-free, flour-free and VOC-free product.

#### APPLICATION / USAGE

DRAWTEX MKU-270 will be used to produce parts like drive shaft, gear shaft, and prop shaft in net-shape quality.

DRAWTEX MKU-270 enables narrow tolerances with improved surface quality of the formed parts.

DRAWTEX MKU-270 improves mechanical properties of material in forming process.

DRAWTEX MKU-270 is not compatible with nonferrous materials such as copper and bronze.

DRAWTEX MKU-270 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 be waiting after applying the product. Reduced number of tanks for phosphates activation and passivation baths, thus increase of production capacity
- Even under difficult conditions the forming oil allows net shape cold forming operations
- The lubricating film layer on the material surface provides short-term corrosion protection
- Improves tool life after the operations
- Retains its lubrication properties even under difficult operation conditions
- It allows the production of thin-walled parts with high forming ratios 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.

# DRAWTEX MKU-270

## HIGH PERFORMANCE MASSIVE COLD FORMING OIL

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."

00.2024.10.23