

Technical Data Sheet

Texol Drawsyn™ CU-S

Fully synthetic water-soluble cooling lubricants for wire drawing

Product Description

- Based on synthetic ester
- With anionic and non-ionic lubricating components
- Contains corrosion inhibitors
- Outstanding wetting properties
- Low copper absorption and good filterability
- Protection against micro-organisms
- Extreme low foam formation
- Compared to conventional drawing emulsions, the life time is much longer

Applications and Uses

Texol Drawsyn™ CU-S, drawing of copper wire in the slipping intermediate and fine wet drawing up to finished wire diameters of 0,1 mm. The product is also suitable for tinned copper wires in the slipping intermediate and fine drawing.

Texol Drawsyn™ CU-S, fine and extra-fine drawing of copper wires. Due to its special components, it is also suitable for inline and multi-wire machines as well as for annealing.

Texol Drawsyn™ CU-S, special water-soluble admixture for continuous annealing for bare or tinned copper wire of all wire diameters. Tarnishing of wires will be prevented even at low proportioning.

Working concentration

Extra-fine drawing	1,0 - 2,0 %
Fine drawing	2,0 - 5,0 %
Second drawing	5,0 - 7,0 %
Intermediate drawing	4,0 - 8,0 %
Annealing	1,0 - 2,0 %

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Typical Properties

Property (Unit)	CU-S	Method
Density / 15 °C	1100	DIN 51757
pH value	9.5	DIN 51369
Viscosity at 40 °C	100	DIN 51562
Conductivity / 20 °C	1200	
Correction factor for determination of the concentration: Refractometer	1.40	

Preparation

The concentrate dissolves quickly to a clear solution when continuously pouring it into water (temperature between 10°C and 35°C) under stirring. We recommend to use de-mineralized water.

Technical Expertise

Texol experts on **Texol Drawsyn™ CU-S** lubricant is regionally located to respond to your needs. Whether you have a question about products, applications or regulations, Texol offers comprehensive customer and technical service.