

Copper wire drawing oil

● Performance Overview

Maxtop Copper wire drawing oil (MTCWDO) is a type of metal wire drawing oil, also known as copper wire drawing liquid, copper drawing oil, or copper drawing oil. It is an additive used in the drawing process of copper and its alloys. It is formulated with low-viscosity lubricating oil as the base oil and the addition of various additives. Containing fatty anti-friction agents and synthetic extreme pressure additives, it significantly reduces the coefficient of friction and decreases the production of copper powder. Improve the surface smoothness of the wire, prevent fraying and scratches, and increase the yield of finished products.



● Features

01

The cleaning and lubricity of wire drawing are particularly good.

02

Excellent antioxidant properties.

03

The emulsion has good stability and long service life.

04

Improve the pass rate of copper wire and reduce costs.

05

Improve the accuracy and surface brightness of copper wire.

06

It does not contain chlorine, sulfur, phosphorus and nitrite, is harmless to the human body and does not irritate the skin of the oil.

● Application Scenario

Water-soluble copper wire drawing oil developed for copper wire drawing process. Suitable for lubrication of wire drawing process under large, medium and small drawing process conditions.



Copper wire drawing oil performance indicators

Project	Quality indicators
Appearance	Orange-red to brown-red uniform fluid
Kinematic viscosity (40 °C), mm ² / s	Report
Pour point, °C No higher than	-9
PH value of 5% emulsion	7~10
5% emulsion corrosion test (55°C±2°C, full immersion of T2 copper sheet, 1h)	qualified
5% emulsion defoaming (50°C±2°C, 5min), ml No more than	4
5% emulsion stability (15~35°C, 24h)	none
Oil separation	
Soaping amount, % No more than	
5% emulsion maximum no-seizure load PB , N (kg) Not less than	40 (392)
Copper sheet corrosion (100°C, 3h)/level not more than	1a

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