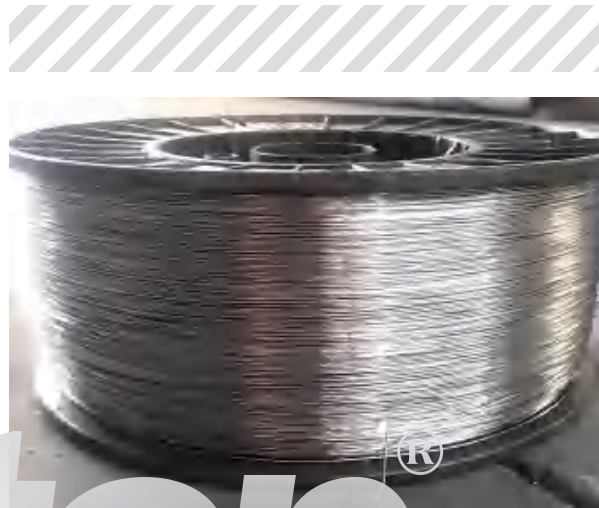


Aluminum wire drawing oil

● Performance Overview

Maxtop Aluminum wire drawing oil (MTAWDO) is a functional lubricating additive specifically designed for the drawing forming process of aluminum and aluminum alloy materials, achieving multi-effect synergy through a compound formula. Its core functions include efficient lubrication to reduce the friction coefficient between the metal and the mold, and to minimize scratches and mold wear. Rapid cooling can precisely control the processing temperature and prevent high-temperature deformation of the material. The powerful cleaning feature helps to remove processing debris and residues, ensuring the cleanliness of the process.



● Features

01

Lubricity: The temperature-sensitive lubricating components adhere to the wire with temperature and also have a self-cleaning function.

02

Brightness: It blocks water and oxygen to prevent oxidation, and the surface of aluminum materials remains bright and new for a long time.

03

Cleanliness: There is no oil residue on the surface, little aluminum ash, and it is easy to clean to reduce defects. Ingredients that are harmful to the human body.

04

Separation property: Low-viscosity emulsions accelerate the sedimentation of aluminum dross, doubling the separation efficiency.

05

Economy: The cost is saved by over 50% compared to pure oil products, with significant cost reduction and efficiency improvement.

06

Safety: No risk of smoke and corrosion, mild formula does not irritate the skin.

● Application Scenario

It is applicable to the drawing processing of wire rods, tubes and profiles of aluminum and its alloys.



Performance indicators of aluminum wire drawing oil

Project	Quality indicators	
Model	High-speed aluminum wire drawing oil	Ordinary aluminum wire drawing oil
Appearance	(Type A)Red-brown transparent oil body	(Type B)Yellowish-brown transparent oil body
Kinematic viscosity (40°C), mm ² /s	140-180.	100-120.
The flash point (open) /°C shall not be less than	210	190
The freezing point, in °C, is not greater than	- 5	- 5
Moisture, %	Trace	1 or less
The acid value, mgKOH/g, is not greater than	2	2
Residual carbon, %	1 or more	1 or less
The maximum no-jamming load (PB value) N is not less than	800	600
Corrosion test (55±2°C, full immersion) Pure aluminum sheet 24 hours 45# copper sheet for 24 hours	Qualified Qualified	
Storage stability (one year)	There is no discoloration, no delamination or gel-like substances	

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