

Technical Data Sheet

Texol Drawsyn™ AL-S

Ultimate performance 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
- 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™ AL-S is a water-soluble lubricant for drawing aluminium in rod and medium and fine wire systems. This high performance product is suitable for processing EC-aluminium as well as most different aluminium alloys.

Texol Drawsyn™ AL-S shows good foaming behaviour, even in soft water. Excellent cooling abilities and filterability ensure an outstanding performance in high demanding aluminium wire drawing processes. As the surface of the drawn wire is very clean, Texol Drawsyn™ AL-S is also used for the production of enamelled wire.

Texol Drawsyn™ AL-S starting from 12 or 9.5 mm down to 2 mm, final diameters down to 0.10 mm are drawn on single and multiwire machines with Texol Drawsyn™ AL-S.

Texol Drawsyn™ AL-S combines good lubricity and cleanliness of the wire and the machine. Good filterability and low residues ensure a long service life and high wire quality.

Working concentration

Emulsions of **Texol Drawsyn™ AL-S** are applied in concentrations of 5-15 % depending on the application.

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Typical Properties

Property (Unit)	AL-S	Method
Density / 15 °C	1030	DIN 51757
pH value	9.6	DIN 51369
Viscosity at 40 °C	75	DIN 51562
Conductivity / 20 °C	1000	
Correction factor for determination of the concentration: Refractometer	1.20	

Preparation

The concentrate dissolves to a stable emulsion by pouring it continuously into water (temperature range approx. +10°C and to approx.+35°C) and by stirring.

Technical Expertise

Texol experts on **Texol Drawsyn™ AL-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.