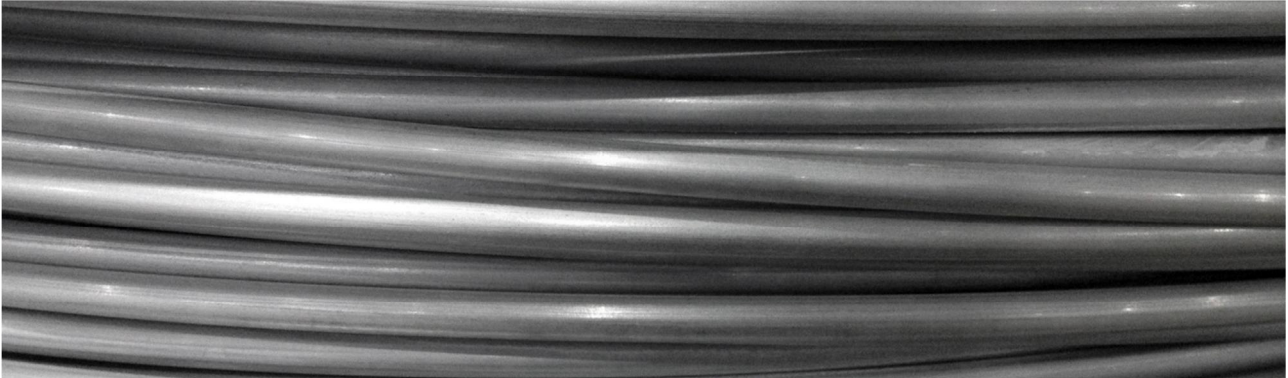




Alumol™ 80,145 &195

Medium viscosity drawing lubricants for aluminium and aluminium alloys



Description

Alumol is a range of high performance lubricants specifically developed for the drawing of aluminium and aluminium alloy wire. All of the products in the Alumol range contain an optimised combination of natural and synthetic lubricity additives. Their high affinity for aluminium provides exceptional film strength to deliver outstanding surface finish and die life. The use of high purity base oil and the latest antioxidant technology minimises thermal degradation and significantly extends service life. In addition all Alumol products have the ability to absorb small quantities of water – preventing problems such as wire breaks and surface scratching that are usually caused by ingress of moisture.

The products in the medium viscosity series - Alumol 80, Alumol 145 and Alumol 195 - are particularly suitable for drawing rod to intermediate sizes on high speed slip machines. The relatively low viscosity for products of this type gives improved separation of fines and aids pumpability. The higher viscosity grades should be used for more difficult alloys (e.g. high magnesium content) or where operating temperatures are higher.

Features and benefits

- Provide optimum hydrodynamic and boundary lubrication to protect dies and provide outstanding surface finish on drawn wire
- Excellent resistance to thermal degradation extends service life
- Relatively low viscosity aids separation of aluminium fines
- Able to absorb small quantities of moisture without compromising lubrication performance

Global specialists in high-performance lubricants

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Company registration number: 2263118; Company registered in England VAT registration number GB108244927000



Cert No 2367QM8001



Alumol™ 80,145 &195

Recommended instructions for use

Alumol products should be used as supplied.

Systems should be cleaned and - if possible - flushed to remove any previous lubricants or aluminium fines. A low viscosity flushing oil such as Metaclean™ FAM is preferred, aqueous cleaners should not be used.

Although Alumol is capable of absorbing small quantities of water care should be taken to minimise possible sources of contamination – check heat exchangers for leaks, store feedstocks in warm dry areas to prevent formation of condensation etc.

The use of a centrifugal filter such as Filtermet AWS will improve lubricant performance and extend service life.

The recommended operating temperature for Alumol is 35 – 55°C.

During use Alumol products will increase in viscosity – predominantly due to the build-up of aluminium fines. To counteract this thickening effect and extend the service life of the lubricant Alumol VRX should be used (see separate data sheet for further information).

Pack sizes

Alumol products are available in 1000 litre IBC and 205 litre drums.

Technical data (typical values)

Property	Test method	Alumol 80	Alumol 145	Alumol 195
Appearance	MSTM 1	Clear light brown oil		
Kinematic viscosity (at 40°C)	MSTM 27	80 cSt	132 cSt	180 cSt
Kinematic viscosity (at 100°C)	MSTM 28	10.5 cSt	15.2 cSt	18.5 cSt
Flash point	PMCC	>190°C		
Density at 20°C	MSTM 23	0.89 g.cm ⁻³	0.90 g.cm ⁻³	0.90 g.cm ⁻³

Storage

Store Alumol products out of direct sunlight and protect from frost. Storage temperature should be controlled to between 5°C and 35°C.

The product information in this publication is based on knowledge and experience at the time of printing. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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