

NON-WATER MISCIBLE METALWORKING LUBRICANTS

MOL Polimet ES 56

synthetic cutting and deep-drawing oil

Product benefits

- multipurpose usage
- excellent lubricity
- no stain on metal surface at high temperature

Applications

MOL Polimet ES 56 is a multipurpose high performance oil for both chipless and chipforming technologies of steel-aluminium- and copper alloys.

Its application is particularly advantageous for edge milling of casted aluminium plate (at high temperature, 300°C) as well as other heavy duty cutting processes which feature are high cutting force and friction, like thread cutting, tapping, gear hobbing, drilling, etc.

MOL Polimet ES 56 is good at deep-drawing of stainless steels.

Product description

MOL Polimet ES 56 is an ester based mineral oil free special neat oil.

Due to excellent anti-wear properties it provides good tool life and good finished surface . The additive components provides temporarily corrosion protection.

There is no risk of stain on colour metals. During the usage of MOL Polimet ES 56 quantity of oil mist in the air is lower compared to products for similar applications.

After manufacturing the oil film will disappear without residual at high temperature (in case of heat treatment).

MOL Polimet ES 56 does not contain chlorine, heavy metals, PCB/PCT compounds.

Typical properties

Properties	Typical values
Appearance	yellow colored, clear
Density at 15°C [g/cm ³]	0,935
Kinematic viscosity at 40°C [mm ² /s]	56,5
Flash point (Cleveland) [°C]	230

The characteristics in table are typical values of the product and do not constitute a specification.

Storage and handling instructions

Store in the original container in dry, properly ventilated area. Keep away from direct flame and other sources of ignition. Protect from direct sunlight.

During transport, storage and use of the product follow the work safety instructions and environmental regulations relating to mineral oil products.

For further details please read the Material Safety Data Sheet of the product.

In the original container under the recommended storage conditions: 12 months

Inflammability hazard: Grade IV.

Recommended storage temperature: max. 30°C

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Ordering information

SAP code and packaging:

13006488 60 l steel drum

13006487 216.5 l steel drum

Order booking (toll-free):

Phone: 80/201-331 (between 07-16 h weekdays)