

MOL Polimet ME 18

cutting oil



MOL Polimet ME 18 is a special cutting oil developed for grinding gear profiles. It is a highly refined mineral oil containing sulphur type antiwear and friction modifier components, as well as additives that inhibit corrosion and reduce the oil-mist forming ability. It does not contain chlorine, PCB, PCT, heavy metal or barium compounds.

Application



Tooth profile grinding of gear wheels
Grinding and other high speed cutting operations
Smooth surface machining
Tempered steel
Ferrous, light and non-ferrous metals

Features and benefits

Optimized lubricity and cooling properties

Inactive anti-wear additive content

Low viscosity

Effective washing and rinsing properties

Effective temporary corrosion protection

Low foaming tendency

Low mist formation tendency

Mild odour

Protects ground surfaces from burning-in and formation of micro-cracks
Excellent surface quality and high manufacturing precision

General-purpose product for machining various metals (steel, non-ferrous and light metals)

Improved cooling and rinsing effect, giving high manufacturing precision
Excellent fine filterability, giving improved surface quality

Excellent machined surface quality
Less scrap
Effective cleaning of grinding discs, so less frequent need for re-conditioning
Lower tool cost

Reduced manufacturing and surface treatment costs

Forms a continuous lubricating film, giving a balanced cooling effect and lubricity
Excellent surface quality and high manufacturing precision

Oil consumption and environmental impact are reduced

More comfortable working environments

Specifications and approvals

EMAG
ISO 6743-7: L-MHE

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Properties

Properties	Typical values
Appearance	yellowish brown, bright, clear
Density at 15°C [g/cm ³]	0,860
Density at 15°C [g/cm ³]	0,862
Kinematic viscosity at 40°C [mm ² /s]	19,0
Pour point [°C]	-18
Flash point (Cleveland) [°C]	217
Copper corrosion (100 °C, 3 h)	1A

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: 24 months

Recommended storage temperature: max. 40°C

Ordering information

Custom Tariff Number 27101999

SAP code and packaging:

13007583 MOL Polimet ME 18 X170KG

216.5 l steel drum (for order only)

Order booking:

Please contact your local distributor or sales partner for ordering details.