

MOL Polimet ME 12

cutting oil



MOL Polimet ME 12 is a cutting oil that can be used universally for many different machining operations used for carbon steel, alloyed steel, nonferrous metals and light metals. It is a highly refined mineral oil containing sulphur type antiwear and friction modifying components, as well as additives that inhibit corrosion and reduce the formation of oil-mists. It does not contain chlorine, PCB, PCT or barium compounds.

Application



Various cutting technologies (turning, drilling, thread machining, etc.)

Smooth surface machining

Processes on single- and multi-spindle automatic lathes or units

Automatic and easy-to-machine steel materials

Alloy steels which are difficult to cut

Non-ferrous and light metals

Features and benefits

Excellent lubricity

Effective friction and wear reduction, giving a long life of tool edges

Lower specific tool cost

Cutting without edge overlay

Excellent machined surface quality and high manufacturing precision

Inactive anti-wear additive content

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

Low viscosity

Improved cooling and rinsing effect, giving high manufacturing precision

Effective washing and rinsing properties

Excellent machined surface quality
Less scrap

Effective temporary corrosion protection

Reduced manufacturing and surface treatment costs

Low foaming tendency

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

Low mist formation tendency

Oil consumption and environmental impact are reduced

Mild odour

More comfortable working environments

Specifications and approvals

ISO 6743-7: L-MHB

MOL Polimet ME 12

cutting oil



Properties

Properties	Typical values
Appearance	yellow colored, clear
Kinematic viscosity at 40°C [mm ² /s]	12,0
Pour point [°C]	-21
Flash point (Cleveland) [°C]	178
Copper corrosion (100°C, 3 h) [grade]	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: 36 months

Recommended storage temperature: max. 40°C

Ordering information

Custom Tariff Number 27101991

SAP code and packaging:

13009459 MOL Polimet ME 12 170KG

216.5 l steel drum (for order only)

13008950 MOL Polimet ME 12 860KG

IBC (for order only)

Order booking:

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