

MOL Polimet ME 25

environmentally compatible cutting oil



MOL Polimet ME 25 is a cutting oil that can be used universally for many different machining processes of carbon steel and heavy-alloy steel, nonferrous and light metals. It is a highly refined mineral oil containing a balanced mixture of additives, such as sulphur, phosphorous and passive EP type pressure resistant wear inhibiting and friction modifier components, together with additives that reduce the tendency of oil-mist formation. It does not contain chlorine, PCB, PCT, heavy metal or barium compounds.

Application



Cutting technologies of various type and duty (turning, milling, drilling, thread machining, tothing processes etc.)

High performance heavy-duty chip forming 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

Reduced friction heat generation and improved removal of chips

Higher productivity, so reduced manufacturing costs

Inactive anti-wear additive content

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

Low viscosity

Improved heat transfer, excellent cooling effect

Effective washing and rinsing properties

Excellent machined surface quality

Excellent temporary corrosion protection

Effective temporary corrosion protection of workpieces, giving reduced 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

Mild odour

More comfortable and safer working environments

Low mist formation tendency

Oil consumption and environmental impact are reduced

Specifications and approvals

EMAG

ISO 6743-7: L-MHE

MOL Polimet ME 25

environmentally compatible cutting oil



Properties

Properties	Typical values
Appearance	yellow colored, clear
Density at 15°C [g/cm ³]	0,872
Kinematic viscosity at 40°C [mm ² /s]	24,8
Pour point [°C]	-12
Flash point (Cleveland) [°C]	215
Rust preventing properties, method "A"	pass
Copper corrosion (100°C, 3 h) [grade]	1 b

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:

13006497 MOL Polimet ME 25 180KG

216.5 l steel drum (for order only)

Order booking:

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