

MOL Polimet M 4

environmentally compatible honing oil



MOL Polimet M 4 is a special cutting oil developed for the precision machining of easy to machine steels, nonferrous and light metals. It is a highly refined mineral oil containing additives that improve lubricating ability, inhibit corrosion and oxidation, and reduce the formation of oil mists. It does not contain chlorine, PCB, PCT, heavy metal or barium compounds.

Application



Honing (smooth grinding)
Smooth surface machining, fine turning, drilling, grinding
Bearing steel materials
Ferrous, light and non-ferrous metals

Features and benefits

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 Excellent fine filterability, giving improved surface quality
Effective washing and rinsing properties	Excellent machined surface quality Less scrap Effective cleaning of grinding discs, so less frequent need for re-conditioning Lower tool cost
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
Light, transparent appearance	Machining operation is clearly visible
Low mist formation tendency	Safer and more comfortable working environments

Specifications and approvals

EMAG
ISO 6743-7: L-MHB

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Properties

Properties	Typical values
Appearance	light yellow, clear
Kinematic viscosity at 40°C [mm ² /s]	5,1
Pour point [°C]	-45
Flash point (Cleveland) [°C]	144

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:

13006494 MOL Polimet M 4 170KG

216.5 l steel drum (for order only)

Order booking:

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