

MOL Polimet ME 8

cutting oil



MOL Polimet ME 8 is a special cutting oil developed for the high speed grinding of hard metal and steel based tool materials. It is a highly refined mineral oil containing a balanced combination of antiwear and friction modifier components and additives that inhibit corrosion and reduce the ability to form oil mist. Due to its composition, it inhibits dissolution of cobalt. It does not contain chlorine, PCB, PCT, heavy metal or barium compounds.

Application



High speed grinding
Superfinishing
Smooth surface machining, fine turning, drilling, grinding
Super hard metals, cemented carbide, speed steel and other tool steels
Ferrous, light and non-ferrous metals

Features and benefits

Excellent lubricity	Effective friction and wear reduction, giving a long life of tool edges Lower specific tool cost
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
Low mist formation tendency	Safer and more comfortable working environments

Specifications and approvals

ISO 6743-7: L-MHE

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Properties

Properties	Typical values
Appearance	yellow-brown, clear
Kinematic viscosity at 40°C [mm ² /s]	9,3
Viscosity index	120
Copper corrosion (100 °C, 3 h)	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: 12 months

Recommended storage temperature: max. 40°C

Ordering information

Custom Tariff Number 27101991

SAP code and packaging:

13008040 MOL Polimet ME 8 170KG

216.5 l steel drum (for order only)

Order booking:

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