

MOL Polimet ES 56

synthetic cutting and deep-drawing oil



MOL Polimet ES 56 is a vegetable oil and synthetic ester oil based special metalworking auxiliary material that can be used for the high performance forming and machining operations. It does not contain chlorine, barium, heavy metal or PCB/PCT, compounds.

Application



Chip forming machining and forming technologies

All high productivity chip forming machining operations where the large cross-section of the removed chip (cutting depth and infeed) results in high cutting forces

Thread forming operations, thread calendering or thread rolling

Micro lubrication systems of various cutting operations

Steel, aluminium and copper alloys

Edge milling of cast aluminium thick strips above 300 °C temperature

Features and benefits

Multipurpose application

Suitable for both chip-forming and chipless machining

Excellent lubricity

Effective friction and wear reduction, giving a long life of tool edges
Lower specific tool cost
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 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-MHB

Properties

Properties	Typical values
Appearance	yellow colored, clear
Density at 15°C [g/cm ³]	0,935
Kinematic viscosity at 40°C [mm ² /s]	55
Flash point (Cleveland) [°C]	308

The characteristics in table are typical values of the product and do not constitute a specification.

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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. 30°C

Ordering information

Custom Tariff Number 34039900

SAP code and packaging:

13006488 MOL Polimet ES 56 50KG

60 l steel drum (for order only)

13009380 MOL Polimet ES 56 190KG

216.5 l steel drum (for order only)

Order booking:

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