

MOL Polimet EDM 3

electric spark erosion oil



MOL Polimet EDM 3 is a high performance dielectric fluid which can be used for either high productivity or precision electric discharge machining. It has a special hydrocarbon composition, which has a very low aromatic content, having excellent electrical properties, filterability and resistance to corrosion. It is colourless, and has a very moderate odour. It can be stored in outdoor conditions all through the year due to its low pour point. It does not contain chlorine, PCB, PCT, heavy metal or barium compounds.

Application



Spark erosion machining with graphite and copper electrodes in an oil flooded workspace

Honing, grinding, other smooth surface machining operations

Ferrous, light and non-ferrous metals

Features and benefits

Excellent electrical properties	Continuous, controlled, productive material removal, resulting in high-precision machining
Low viscosity	Improved cooling and rinsing effect, giving high manufacturing precision
Very low aromatic content	Healthier and safer workplace environment
Excellent filterability	Long oil lifetime Reduced maintenance costs and environmental impact
Outstanding oxidation stability	Long lubricant lifetime, reduced maintenance costs and lower environmental impact
Low pour point	Outdoor storage possible throughout the year, under appropriate conditions
Colourless	Clearly visible workpiece
Mild odour	More comfortable working environments

Properties

Properties	Typical values
Appearance	water-clear
Density at 15°C [g/cm ³]	0,820
Kinematic viscosity at 40°C [mm ² /s]	2,3
Pour point [°C]	-27
Flash point (Pensky-Martens) [°C]	103
Aromatic hydrocarbon content [%]	0,5

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

MOL Polimet EDM 3

electric spark erosion oil



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: 24 months

Recommended storage temperature: max. 40°C

Ordering information

Custom Tariff Number 27101929

SAP code and packaging:

13009645 MOL Polimet EDM 3 10L

10 l steel can (for order only)

13009670 MOL Polimet EDM 3 160KG

216.5 l steel drum

Order booking:

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