



EDM OIL

EDM OIL / ELECTRIC DISCHARGE MACHINE OIL

PRODUCT DESCRIPTION

Edm oils are used as the working fluid in electrical discharge machining(edm), also called as spark erosion machining. These oils have the ability to provide uniform insulation and then to permit controlled electrical discharge at the breakdown voltage. EDM oils function as an insulator between tool & work-piece, a spark conductor, a coolant and a flushing medium for chip removal.

APPLICATIONS

Edm oils are used for insulation in between the tool and the work-piece as a special di-electric fluid. Edm oil meets the requirements for insulation and control di-electric discharge during electric discharge machining operations. The low viscosity of the product provides good circulation through the spark gap and more rapid removal and settling of metal fines. Recommended for plunge or ram electrical discharge machining and glass grinding.

PERFORMANCE LEVEL

- EDM OIL (Electrical Discharge Machining Oil)

BENEFITS

- Proper balance of Viscosity and volatility.
- High oxidation stability.
- Excellent Heat Transfer Characteristics.
- Low odour and toxicity.
- High Flash Point.
- High Dielectric strength.
- Excellent filterability

TYPICAL PROPERTIES

CHARACTERISTICS	EDM OIL
Kinematic Viscosity @ 40°C (mm ² /s)	4
Appearance	Clean and Bright
Pour Point (°C)	-6
Flash Point (°C, COC)	90

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.
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