

Q8 EDM M Fluid

Spark Erosion Fluid

Product Description

Q8 EDM M Fluid is a low viscosity oil specially for use in electrical discharge machining (EDM) operations. It has been designed to replace earlier type products that are based on industrial kerosene.

Application

Q8 EDM M Fluid is recommended for spark erosion, wire erosion and all electrical discharge machines where surface finish is of paramount importance. It is particularly recommended as a replacement for kerosene based products.

Q8 EDM M Fluid is superior in performance and more pleasant to use than other alternatives. It has a high flash point, low volatility, resistance to fuming with reduced fire risk, and has a low aromatic content in line with current health requirements. High pumping rates are possible and ensure adequate flow around the work pieces. This coupled with good filterability and rapid settling out of particles ensures a clean cool fluid is available where needed at all times. Metal removal rates and accuracy are improved and electrode wear is lowered. This product will not stain or corrode copper alloys, or any other metal machine parts.

Q8 EDM M Fluid is greatly appreciated by operators because of its very low odour when compared with other products.

Summary of Main features and Benefits

- Better performance than paraffin or kerosene based products
- Excellent surface finish
- High flow rates possible for heat removal
- Good filterability
- Lower fire risk
- Low aromatics
- No staining of metals parts
- Low odour and fuming
- Operator preference

Typical Inspection Data

<u>Property</u>	<u>Method</u>	<u>Unit</u>	<u>Inspection Data</u>
Absolute Density, 15 °C	D 4052	g/ml	0.803
Kinematic Viscosity, 40 °C	D 445	mm ² /s	2.4
Flash Point, PM	D 93	°C	101
Pour Point	D 97	°C	-18
Total Acid Number	D 664	mg KOH/g	<0.03
Colour	D 1500		L0.5

Health and Safety

Reference should be made to the relevant Q8 Material Safety Data Sheet before use.

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technical data