

Product Data

ZIE EDM Oil Premium Spark Erosion Oil

Description:

ZIE EDM Spark Erosion Oil 25 is a highly refined mineral oil of narrow boiling range specially formulated to meet the dielectric strength requirements of customer use in various applications.

This fluid is low viscosity spark erosion oil specially formulated for use on all ferrous and non-ferrous metals and all EDM machines carrying out roughing as well as fine finishing.

With proper dielectric value it enables controlled electrical discharge at the break-down voltage. It should also not create a fire hazard

Features and Benefits:

- It has excellent oxidation stability which protects against corrosion.
- It is also non-staining, low-fuming and least odorous
- It enables good separation of fine swarf. It has long fluid life, anti-foaming properties

Applications:

It is designed for spark erosion machines of all sizes, and specially recommended for very fine spark erosion machining operations, particularly in small EDM machines

Spark Erosion is a widely used modern method of manufacturing dies

Kerosene which is sometimes used as the insulating medium may not meet the dielectric strength requirements since it is not specifically manufactured to meet these; hence it is advisable to avoid Kerosene

Typical characteristics:

Characteristics	Test Method	Zie EDM Oil
Appearance	Visual	Bright and clear
Kinematic viscosity, cSt at 40 °C	ASTM D 445	2.3
Flash point (COC), °C, min.	ASTM D 92	106
Pour point, °C, max.	ASTM D 97	-9
Copper strip corrosion, at 100 °C, 3 hrs.	ASTM D 130	1a
Dielectric Strength IS :6792		40

The above figures are typical figures with normal production tolerance.

Health & Safety

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

occurring subsequent to the date of printing in the blend formulation or methods of application of any of the products referred to or in the requirements of any specification approval relating to any such products.

