

Cut-Max SE4

Multi-purpose dielectric fluid for spark erosion

DESCRIPTION

Cut-Max SE4 is a transparent, very low odour, low viscosity dielectric fluid with a high flash point fluid compared to many similar dielectrics.

APPLICATION

Cut-Max SE4 is specialist fluid for EDM machining and can be used for both roughing and finishing operations.

Main applications include machining of moulds for die-casting or plastic injection machines and in aerospace turbine blade production. Cut-Max SE4 is used for fine boring of aerofoil honeycombs in nickel alloys. Eg Inconel 718. Cut-Max SE4 has Rolls Royce CSS 142B approval.

Cut-Max SE4 can be used on individual machines and in centralised systems.

TYPICAL PHYSICAL PROPERTIES

TEST	TYPICAL VALUE	TEST METHOD
Appearance	Pale amber oil	
Specific gravity @ 15.5°C	0.82	DIN 51757
Viscosity @ 40°C, mm ² /s	3.8	DIN 51562
Viscosity @ 20°C, mm ² /s	6.5	DIN 51562
Flash Point °C	140	DIN ISO2592
Copper Corrosion	1a	DIN 51759

ADVANTAGES

- ❑ High flash point for fire-resistance and low evaporation in use
- ❑ Very low odour and smoke-free operation for operator preference
- ❑ Efficient flushing of spark debris minimising micro-soldering between component, swarf and electrode.
- ❑ Higher cutting speeds compared with conventional paraffinic fluids
- ❑ Suitable for all types of filtration including diatomaceous earth
- ❑ Highly resistant to oxidation for long service life

STORAGE

Product should be stored under cover in clean, dry conditions and protected from frost. Recommended storage temperature is between 5°C and 35°C. Use stock in delivery rotation. A shelf life of twelve months can be anticipated.

HEALTH AND SAFETY

Health and Safety Data Sheets are supplied to customers to comply with Section 6 of the Health and Safety at Work Act 1974, and should be closely studied prior to handling or use of the product. Copies are available from your Technical Health and Safety Officer. Various other advisory publications are available from the Health and Safety Executive and Her Majesty's Stationery Office.

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All data given in this Product Data Sheet are typical of this material. It does not however constitute a specification. We reserve the right to modify products without prior notice. All products, services and information supplied are provided upon the terms of our standard Conditions of Sale from time to time in force.

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