



Product Data

Ilocut EDM 180

High performance Electric Discharge Machining Fluid

Description

Castrol Ilocut™ EDM 180 is a low viscosity mineral oil based high performance electric discharge machining (EDM) fluid, designed to enable optimum rates of metal removal, together with low electrode wear, good surface finish and fine tolerances.

It is especially formulated to provide exceptional performance in all spark-erosion applications.

Application

Ilocut EDM 180 is recommended for use on all ferrous and non ferrous metals. It can be used in electric discharge machines of all sizes and is equally suitable for roughing as well as finishing operations.

Advantages

- Low viscosity ensures good cooling and flushing action in narrow spark gaps
- Low odour and light colour result in greater operator acceptability
- Lower aromatics result in a safe and pleasant work environment
- Excellent filterability and high oxidation stability ensures long service life

Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual		Amber
Viscosity at 40°C	DIN 51562	mm ² /s	2.0 – 2.6
Viscosity at 100°F	ASTM D 446	SUS	32.5 – 34.5
Flashpoint, PMCC	ISO 2719	°C	min. 100
	ASTM D 93	°F	min. 212
Copper corrosion	ISO 2160 ASTM D 130	3 hr at 100 °C	max. 1b

Storage

To avoid product deterioration, keep the container/drum tightly sealed always. Prevent any frost and water ingress. Store it in a cool and dry place away from direct sunlight. It is preferable to store the product indoors always. For more details, please refer the product safety data sheet.

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