



# Commonwealth Oil

## EDM 185™ Di-Electric Fluid



### WHAT IT DOES:

Commonwealth Oil's **EDM 185™** is a special fluid, developed by Commonwealth Oil for Electrical Discharge Machines utilized to produce very fine and intricate cuts and profiles. **EDM 185™** works very well when machining graphite electrodes.

### WHERE TO USE IT:

**EDM 185™** is designed for following applications

- Di-electric fluid in electrical discharge machining operations.
- Electrical discharge machining in the tool and die industry.
- Electrical discharge machining in the mold industry.
- Medical, computer and aerospace industries.
- Manufacturing of air craft components, valves, regulators, hardware, tools, etc...

### PERFORMANCE BENEFITS:

**EDM 185™** is especially formulated to deliver the following performance benefits:

- It is ideal for very fine work where tolerances must be exact.
- Improves cleanliness for operators and their machinery.
- Rapid flushing at point of cut because of a lower viscosity.
- Longer fluid life.
- Cleaner and clearer. **EDM 185™** is so pure it is practically odourless.
- Works with all ferrous metals, aluminum, copper, brass and bronze.
- **EDM 185™** is compatible with all standard filtration media i.e. paper, diatomaceous earth, edge wafer cartridges, etc...
- Like all Commonwealth Oil Dielectric Fluids, **EDM 185™** is not dyed.
- Free from halogens, solvents, PCB's and Ozone depleting compounds.
- **EDM 185™** is approved for use in **ONA Filtration Systems**.



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## TECHNICALLY SPEAKING:

Test	ASTM Test Method	EDM 185™
Viscosity: cSt @ 25°C/77°F	D-445	2.60
Viscosity: cSt @ 40°C	D-445	2.20
Viscosity: SUS @ 100°F	D-445	35.0
Acid Number, mg KOH/g	D-974	< 0.01
Aniline Point, °C (°F)	D-611	76 (169)
Flash Point, COC °C	D-92	>82
Flash Point, COC °F	D-92	>180
Odour		Nil
Colour, Saybolt	D-156	30+
Density, lbs./US Gallon	D-1298	6.842
Specific Gravity	D-1298	0.820

These are typical figures and do not constitute a specification.

### Handling & Safety Information

For information on the safe handling and use of this product, refer to the Material Safety Data Sheet obtainable from Commonwealth Oil Corporation.



**Available in Pails, Drums and One-Way Bulk Containers**

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