



CPC Electric Discharge Fluid EP1

- CPC Electric Discharge Fluid EP1 is an environmental-friendly oil manufactured by the most advanced refining technique. In addition to its high flash point, no odors, and no harmful material produced during processing, this fluid has good oxidation and thermal stability, and can be used for extensive period.
- High flash point makes it safer in operation and lower oil consumption.
- Suitable viscosity with excellent cooling property makes it easy to take away processing chips and enhance the processing efficiency.
- This fluid is suitable for primary and secondary electric discharge processing.

CAUTIONS:

- Although this fluid possesses high flash point (106°C) and high safety, it is still one kind of petroleum and petrochemical product. Keep it away from high temperature environment and flames when applied or stored.
- For EDM machines, if change oil from kerosene or other oils to EP1, please drain previous used oil away and clean residue complete. EP1 can avoid being suffered from previous residual oils.
- In the discharge process operation, please increase the circulative flushing pipelines of EDM oil according to the size of the electrode gap. It enables the surface of discharge process to be cooled well. It can avoid the phenomenon of combustion caused by insufficient cooling, and enhance the smooth of processed surface.
- This fluid is not direct harmful to skin under normal operating conditions. A brief contact with this fluid will not cause significant adverse feeling. But it's better to avoid the fluid to contact directly with skin during operations. Please wear qualified rubber gloves if necessary to contact processing oil.
- Flush eyes immediately with running water and get medical attention if eyes are accidentally splashed by the fluid.
- Please maintain good ventilation in the workplace. It is beneficial to staff's health.
- If external foreign material (such as moisture, dust) and the metal powder generated by EDM operations are infiltrated into the fluid, it will cause great damage to equipment. Therefore, it is necessary to inspect the fluid regularly and clean filters to maintain the normal operation of the machine.
- Package: 200 liter drum.
- The typical data are listed as next page:



Sp. Gr., 15.6°C/15.6°C, D4052	0.7694
Viscosity, Kin., cSt @ 40°C, D445	2.55
Flash Point, PM, °C, D93	106
Color, Saybolt, D156	+30
Copper Corrosion ,100°C, 3hrs, D130	1a
Distillation Range, °C, D86	
I.B.P	242
50 %	253
F.B.P	270
Product No.	LA77002

Note: Typical properties are based on standard tests under laboratory conditions. Variations that do not affect product performance are to be expected during normal manufacture. Please consult your local CPC representative if you have any questions.