

Product Data Sheet

IPOL SEO 350

High performance spark erosion oil

Description:

IPOL Spark Erosion Oil 350 is a high quality, HSE friendly machining fluid based on a low viscosity highly refined mineral oil designed for use in all electric discharge machining applications. Providing effective cooling of the electrode and workpiece while providing the necessary insulating characteristics, this fluid enables optimum metal removal and excellent surface finish.

IPOL SEO 350 is recommended to be used in electric discharge machining, where high degree of precision & accuracy is required.

Salient Features & Benefits:

- Specially selected narrow boiling range product suitable for spark erosion.
- Low viscosity offers excellent flushing & settling of metal fines.
- Higher flash point – Better work safety.
- Excellent oxidation stability – ensures longer fluid life.
- Negligible aromatics improves safety & environment.
- High dielectric strength improves precision & control sparking.
- Long lasting transparency for clear operation
- Acceptable odor – greater acceptance by machine operator.
- Non-corrosive & prolong the life of the electrode.

Application:

1. Used in die manufacturing & in tool rooms for precision operation.
2. IPOL SEO 350 is also recommended in large steel roller EDM machines of M/s Waldrich Germany
3. Recommended for very fine spark erosion machining operations in EDM machines of Electronica, Sparkonix, Toolcraft, Agie Charmilles ...etc.

Characteristics:

Test Parameters	Test Methods	Typical Test Results
Appearance	Visual	Bright & Clear
Color	ASTM D 1500	0.5
Odor	Objective	Odourless
Sp. Gravity .@ 30°C	ASTM D 1298	0.758
Kinematic Viscosity @40°C (cSt.)	ASTM D 445	3.05
Flash Point (COC),°C	ASTM D 92	110
Aniline Point ,°C	ASTM D 611	90
Acidity (mg KOH/gm.)	ASTM D 974	NIL
Foaming Test	IP -62	Nil/Nil
Aromatic , % weight	In-house	0.1

Note: The information provided is not to be taken as a warranty or representation for which we assume no legal responsibility, nor as permission or recommendation to practice any attended location or otherwise. It is solely offered for your consideration, investigation and verification.

Storage and Packaging

IPOL SEO 350 can be supplied either in 210 liter non-returnable HDPE/ Steel drums or in bulk.

The product should be preferably stored indoors in dry conditions and protected from extreme temperatures. In case the drums are stored outside, adequate precaution needs to be taken to cover them for avoiding any rain water contamination.