

ProSpark

Dielectric for EDM die-sinking



HUTEC

ProSpark meets all the latest health and safety requirements and has been approved by an independent dermatological laboratory in Germany as harmless regarding skin irritation. The aromatic content is below 0.1% vol. and all components are carefully selected for purity, low toxicity, low odour and lack of irritation.

The New Dimension in Spark Erosion

ProSpark is an odourless and colourless dielectric that can be used in all EDM die-sinking machines and is suitable for a wide range of applications, from fine finishing to heavy rough cutting applications.

ProSpark's high-quality base oils and additives have been carefully selected to guarantee first-class performance and extend the fluid lifespan, with the best possible machine care and compatibility.

Offering an efficient EDM process that combines a high removal rate with low electrode wear, ProSpark is the ideal choice for a wide range of EDM die-sinking processes which demand top performance, at a competitive price.

Advantages

- Excellent and even surface finish
- High metal removal rate
- Wear reduction
- Small refill quantities
- Good cooling and flushing
- High evaporation temperature reduces consumption
- High flashpoint to meet safety requirements



Suitability

- Compatibility with all EDM machines
- Copper and graphite electrodes
- Polishing applications
- Wide ranging applications (precision work to heavy roughing)
- Can be used with all ages / types of machine generator
- Easily filterable with all common filters and filtration systems

ProSpark is particularly suitable for applications where a minimum flashpoint of 100°C (212°F) is required and the high boiling point significantly reduces steam formation during the spark ignition process.

Technical Data

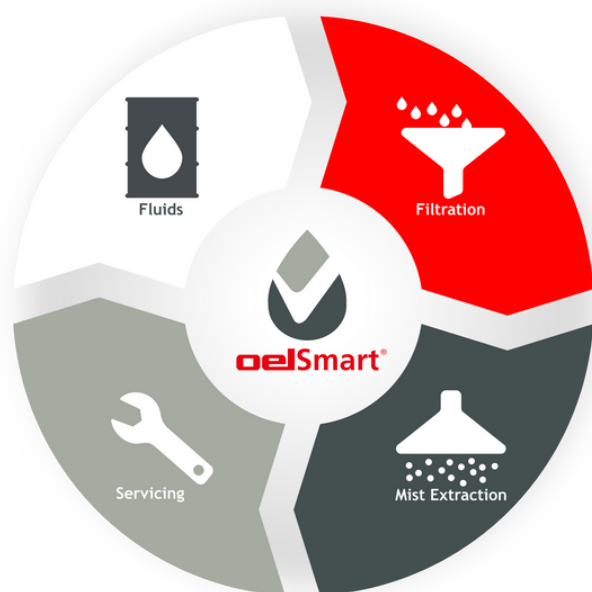
Density / Spec. Gravity at 59°F / 15°C	6.75 lb/Gal	0.81 g/cm ³	DIN 51757
Viscosity at 68°F / 20°C	3.3 cSt.	3.30 mm ² /s	DIN 51562
Viscosity at 104°F / 40°C	2.3 cSt.	2.30mm ² /s	DIN 51562
Flashpoint °F / °C	221°F	105°C	DIN ISO 3016
Melting Point °F / °C	<-4°F	<-20°C	DIN EN ISO 2719
Aromatic Content (% vol.)	<0.1	<0.1	DIN 51378



Why Choose Us?

Since 1887 oelheld GmbH has been at the forefront of metalworking fluid innovation, building a reputation as a trusted supplier of high-quality oils, fluids, and lubricants for industry. Over the years we have expanded our product range and manufacturing operations here in the UK to include the design, supply, servicing, and online monitoring of filtration systems for oils and coolants; high quality EDM consumables; mechanical and electrostatic oil mist extraction units; industry-leading workholding; tool clamping which offers the ultimate precision, and LEV testing services.

Our complete portfolio has one common goal - to enhance the performance of our customer's capital investments by reducing down time, reducing consumable costs and increasing the amount of hours that are available for productive manufacturing, all within an HSE compliant environment.



Everything we do here at oelheld UK is delivered with our oelSmart® philosophy in mind. That means our customers benefit from whole-system, proactive support to ensure their fluids and associated equipment are working together for consistent performance, productivity and HSE compliance.

oelheld
innovative fluid technology



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