

Q8 EDM I

Fluid used for electric discharge machining.

Description

Q8 EDM I is a low viscosity EDM fluid produced with hydrocarbon substances with a minimum content of aromatic hydrocarbons, characterized by a reduced distillation range and the absence of odors typical of conventional dielectric fluids.

Applications

Q8 EDM I is recommended for electro-erosion machining with high precision and degree of surface finish for which a surface roughness "ra" of 0.32 μm to 2.2 μm (10 VDI and 27 VDI) is required as in the production of small/medium sized moulds. E' also suitable for large machines where fluids characterised by high washing and filterability properties are required.

Q8 EDM I meets the requirements of leading plunge EDM machine manufacturers, such as, +GF+; FANUC; MAKINO; MITSUBISHI, ONA; OPSINGERSOLL and SODICK.

User instructions

In order to preserve the integrity of this product drums should be stored inside a building protected from water entry, frost and direct sunlight.

Environment, Health and Safety

Please consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues.

Properties

	Method	Unit	Typical
Appearance	Visual	-	clear
Colour, Saybolt	D 156	-	+30
Density, 15 °C	D 4052	g/ml	0.749
Density, 20 °C	D 4052	g/ml	0.746
Kinematic Viscosity, 20 °C	D 445	mm ² /s	1.8
Kinematic Viscosity, 40 °C	D 445	mm ² /s	1,5
Flash Point, P-M	D 93	°C	72
Pour Point	D 97	°C	-21
Copper Strip, 3 h, 100 °C	D 130	-	1
Initial Boiling Point (IBP)	D 86	°C	185
Final Boiling Point (FBP)	D 86	°C	230

The figures above are not a specification. They are typical figures obtained within production tolerances.

Remarks

Please contact your Q8Oils representative for further advice and support on your specific application and equipment.

Sustainability

The product Carbon Footprint (PCF), cradle-to-gate (Q8Oils state of the art facility in Belgium), of Q8 EDM I is 2.11 kg CO₂eq / kg.

Please contact Q8Oils to learn more about the positive environmental impact, the handprint, of this product.

To ensure accuracy and reliability, the PCF calculation tool has been verified by an independent third party. The verification report is available in the disclaimer.

For more info check here



**we
take
care**

PRODUCT CARBON FOOTPRINT
METHOD VALIDATED BY:

PCF CALCULATION IN LINE WITH:
ISO 14067 | ATIEL-UEIL PCF

