



esgeSparc SE 108 **Multifunctional dielectric for sinking erosion**

Application

esgeSparc SE 108 is a synthetic-based multi-functional dielectric fluid for the modern requirements of the newest sinking erosion. **esgeSparc SE 108** is completely odorless and water clear. It is almost free of aromatics and particularly skin-friendly.

esgeSparc SE 108 was developed for the requirements of the mold and tool manufacturers in the field of plastics and die casting industrie. Due to its medium viscosity, **esgeSparc SE 108** is ideally suited for the finishing and roughing applications. As a result, large workpieces can be produced on machines with high current ratings (> 60Amp), but also low roughness can be achieved. Due to the extremely low boiling range of only 12 ° C, **esgeSparc SE 108** is a very innovative dielectric which guarantees a high removal rate while minimizing electrode wear.

esgeSparc SE 108 is waterclear to create high visibility of the machining process. Due to the high flash point, the best possible working safety is ensured. **esgeSparc SE 108** can be filtered with all common filter systems.

Technical Data	Test method	Units	Values
Appearance			clear, colorless
Density at 15 °C	ASTM D4052	g/ml	0,76
Kinematic Viscosity at 20 °C	ASTM D445	cSt	3,0
Flash Point (PM) °C	ASTM D93	°C	>104
Boiling range	ASTM D86	°C	233 bis 245
Pour Point	ASTM D 97	°C	+4
Odor			None
Content of aromatic hydrocarbons	UV spektral.	%	<0,04
Skin Test			negativ

esgeSparc SE 108 meets / exceeds the requirements of the most important manufacturers of EDM machines:

AGIECHARMILLES, AGEMA, EXERON, FANUC, INGERSOLL, MAKINO, MITSUBISHI, ONA, SODICK, VOLLMER, ZIMMER & KREIM

Storage

If the barrels are stored outdoors, ensure that the ambient temperature is more than 5 ° C above the pour point of the product.