

Metal processing by electroerosion

ISO L-MHA

EROZOL[®] S2

EROZOL[®] S3

EROZOL[®] S5

EROZOL[®] S2, S3 i S5 are special oils with high resistance to aging. They are made from special petroleum fractions of low aromates content with the added oxidation inhibitors. The products are physiologically harmless and do not irritate the normal types of human skin.

ADVANTAGES

- Low viscosity,
- Neutral odour,
- Relatively high flash point,
- Appropriate dielectric rigidity which simultaneously permits the passage of current only in a straight line between the tool-electrode and the processing object,
- It quickly establishes the initial state of electrode insulation after discharge,
- Good thermal conductivity eliminates the secondary effects of electrical discharge,
- Good deposition capacity and good filtration,
- Good anticorrosion properties.

QUALITY LEVEL

ISO 6743-7, L-MHA,
ISO/TS 12927

APPLICATION

EROZOL[®] S2, S3 and S5 oils are used as dielectric product for electroerosion treatment where erosive discharges form between the tool and the object being processed. They can be used from the lowest to the highest recommended amperage and kind of treatment by these procedures. To ensure the enviable volume of material removed per unit of time, it is applied:

EROZOL[®] S5 for rough machining operations,

EROZOL[®] S3 for rough and fine machining operations,

EROZOL[®] S2 for fine machining operations.

TYPICAL CHARACTERISTICS

CHARACTERISTICS	UNITS	EROZOL [®]			METHODS
		S2	S3	S5	
Appearance	-	clear	clear	clear	Visual
Density at 15°C	g/ml	0,810	0,820	0,850	EN ISO 3675
Kinematic viscosity at 40°C	mm ² /s	1,7	2,5	5,2	ISO 3104
Flash point	°C	min 75	min 110		EN ISO 2592
Copper corrosion (100°C/3h)	degree	1a			EN ISO 2160
Corrosion on steel	-	no			ISO 7120

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STORAGE

Store in covered area. If stored outdoors, it is necessary to place the drums in a horizontal position to prevent the accumulation of water on the surface of the drum. Do not store at elevated temperatures or in locations exposed to direct sunlight, nor at temperatures below 0°C.

All necessary instructions can be found in the product SDS. It contains the details of possible hazards, warnings and first aid measures, as well as the impact on the environment and the necessary measures for the storage and handling.

PACKING

Plastic containers of 20 L and tin drums of 170 kg (180 kg).

Data are orientational, manufacturer reserves the right to make changes in order to improve product quality.

