



PRODUCT INFORMATION



ERAMIDE SL 200

round enamelled copper wire , winding wire , magnet wire, class 200

Properties:

- High heat resistant
- Suitable for winding in high speed machines
- Freon resistant
- Very good resistance to typical solvent

Field of application:

- Electric motors
- Transformers
- Ballasts
- Solenoid coils

UL approval:

Not Approved

Certifications:

IATF 16949
ISO 9001, ISO 14001, OHSAS 18001
RoHS, REACH

Class: 200

Temperature index ≥ 200 °C
Heat shock: ≥ 220 °C

Conductor material:

Cu according to EN 1977/ASTM B49

Product name:

ERAMIDE SL 200 - Gr 1 / Single

ERAMIDE SL 200 - Gr 2 / Heavy

Specifications:

IEC 60317-13

MW35-C

Dimension range:

IEC

ERAMIDE SL 200 Gr 1 $0,10 \leq \varnothing \leq 1,20$ mm

ERAMIDE SL 200 Gr 2 $0,10 \leq \varnothing \leq 1,20$ mm

Dimension range:

NEMA

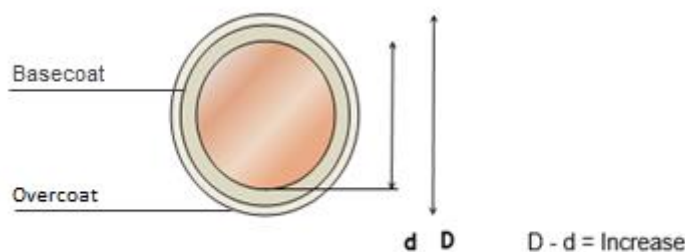
ERAMIDE SL 200 Single $38 \leq \varnothing \leq 16,5$ AWG

ERAMIDE SL 200 Heavy $38 \leq \varnothing \leq 16,5$ AWG

Insulation:

Basecoat: THEIC- Polyester(-imide)

Overcoat: Polyamide-imide + Polyamide-imide (Selflubricated)





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Properties for ERAMIDE SL 200

Main characteristics	Test method	Acceptance criteria	Test values for a ERAMIDE SL 200 sample (1,00 mm, Gr2)
Thermal properties			
Heat shock	IEC 60851 - 6.3	$\geq 220\text{ }^{\circ}\text{C}$	$\geq 220\text{ }^{\circ}\text{C}$
Cut-through	IEC 60851 - 6.4	$\geq 320\text{ }^{\circ}\text{C}$	$> 400\text{ }^{\circ}\text{C}$
Temperature index	IEC 60172	$\geq 200\text{ }^{\circ}\text{C}^{(1)}$	$\geq 200\text{ }^{\circ}\text{C}^{(1)}$
Chemical properties			
Solderability	IEC 60851-4.5	Not solderable	-
Resistance to Transformer oil	IEC 60851-4.6	IEC 60317-0-1	OK
Electrical properties			
Conductor resistance	IEC 60851 - 5.3	0,01709 $\Omega\text{mm}^2/\text{m}$	0,01709 $\Omega\text{mm}^2/\text{m}$
Conductivity	1/R	$> 58\text{ m}/(\Omega\text{mm}^2)$	$> 58\text{ m}/(\Omega\text{mm}^2)$
Breakdown voltage	IEC 60851 - 5.4	IEC 60317-0-1 ⁽²⁾	9,0 kV
Friction coefficient	IEC 60851-3		$< 0,25$
Mechanical properties			
Elongation	IEC 60851-3.3	IEC 60317-0-1 ⁽²⁾	37%
Springiness	IEC 60851-3.4	Springiness ⁽³⁾	IEC 60317-0-1 ⁽²⁾
		Springback ⁽⁴⁾	$\leq 5^{\circ}$
Flexibility	IEC 60851-3.5	Mandrel wind. ⁽³⁾	0% elongation + 1xØ
		Stretching ⁽⁴⁾	min 32%
Adherence	IEC 60851-3.5	Jerktest ⁽⁵⁾	No loss of adhesion
		Peeltest ⁽⁶⁾	min. 110 ⁽⁷⁾

1. According to supplier certificate

2. Values depend on dimension and grade

3. Up to an including 1,60 mm

4. Over 1,60 mm

5. Up to an including 1,00 mm

6. Over 1,00 mm

7. Revolutions x nominal dimension

Values above are for information only. All values noted are typical and can vary between lots and dimensions.



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The technical data included is up to date at the time of printing.
Erikoğlu reserve the right to make any amendments deemed necessary