



DAMID SL 200

Round enamelled winding wire of copper, selflubricant, class 200

Product name:

Damid SL 200 - Gr 1

Damid SL 200 - Gr 2

Specifications:

IEC 60317-13 / NEMA MW35

UL approval:

Not approved

Class: 200

Temperature index ≥ 200 °C

Heat shock: ≥ 220 °C

Conductor material:

EN 1977 - ETP1 CW003A

EN 1977 - ETP CW004A

ASTM B49 - ETP C11000/C11040

Insulation:

Basecoat: THEIC-modified polyester or polyesterimide

Overcoat I: Polyamide-imide

Overcoat II: Polyamide-imide (selflubricated)

Properties:

- High heat resistance
- Suitable for winding in high speed machines
- Very good resistance to transformer oils
- Very good resistance to typical solvent
- Freon resistant
- Excellent resistance to mechanical stress

Field of application:

- Electric motors
- Transformers
- Solenoid coils
- Ballasts

Dimension range:

Damid SL 200 - Gr 1 $0,150 \leq \varnothing \leq 2,50$ mm

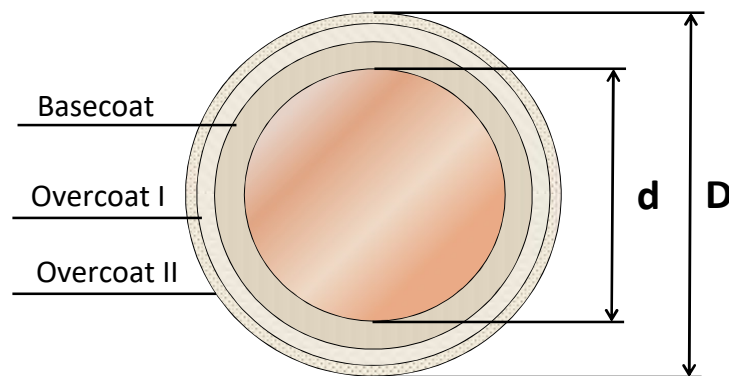
Damid SL 200 - Gr 2 $0,150 \leq \varnothing \leq 2,50$ mm

Standard packaging:

$0,150 \leq \varnothing \leq 2,50$ mm A250/400, A315/500, A400/630

Shelf life:

6 years, under normal ambient conditions



$D - d = \text{Increase}$

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Properties for DAMID SL 200

Main characteristics	Test method	Acceptance criteria	Test values for a Damid SL 200 sample (1,00 mm, Gr2)
<u>Thermal properties</u>			
Heat shock	IEC 60851 - 6.3	$\geq 220^{\circ}\text{C}$	$\geq 220^{\circ}\text{C}$
Cut-through	IEC 60851 - 6.4	$\geq 320^{\circ}\text{C}$	$> 400^{\circ}\text{C}$
Temperature index	IEC 60172	$\geq 200^{\circ}\text{C}^{1)}$	$\geq 200^{\circ}\text{C}^{1)}$
<u>Electrical properties</u>			
Conductor resistance	IEC 60851 - 5.3	$0,01724 \Omega\text{mm}^2/\text{m}$	$0,01724 \Omega\text{mm}^2/\text{m}$
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⁾	$> 6,0 \text{ kV}$
<u>Mechanical properties</u>			
Elongation	IEC 60851-3.3	IEC 60317-0-1 ²⁾	40%
Springiness	IEC 60851-3.4	Springiness ³⁾	43°
		Springback ⁴⁾	-
Flexibility	IEC 60851-3.5	Mandrel wind. ³⁾	10 % elongation + 1xØ
		Stretching ⁴⁾	-
Adherence	IEC 60851-3.5	Jerktest ⁵⁾	OK
		Peeltest ⁶⁾	-
Friction coefficient	IEC 60851-3	-	$< 0,10$

1. According to supplier certificate

2. Values depend on dimension

3. Up to an including 1,60 mm

4. Over 1,60 mm

5. Up to and 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.