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

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

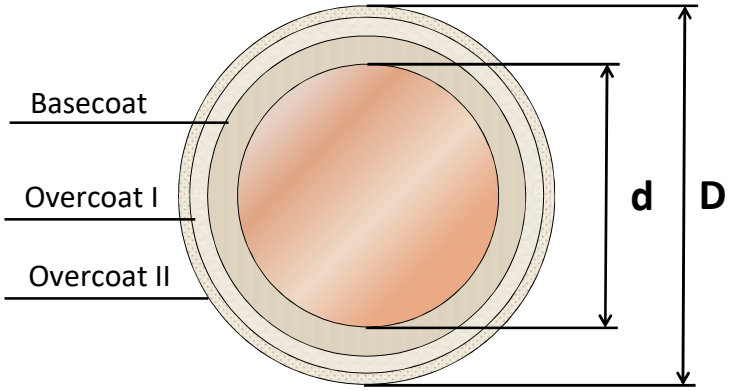
Dimension range:

Damid SL 200 - Gr 1	0,150 ≤ Ø ≤ 2,50 mm
Damid SL 200 - Gr 2	0,150 ≤ Ø ≤ 2,50 mm

Standard packaging:

0,150 ≤ Ø ≤ 2,50 mm	A250/400, A315/500, A400/630

Shelf life:
6 years, under normal ambient conditions



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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)
Thermal properties				
Heat shock	IEC 60851 - 6.3		≥ 220°C	≥ 220 °C
Cut-through	IEC 60851 - 6.4		≥ 320°C	> 400 °C
Temperature index	IEC 60172		≥ 200°C[1)]	≥ 200 °C[1)]
Electrical properties				
Conductor resistance	IEC 60851 - 5.3		0,01724 Ωmm²/m	0,01724 Ωmm²/m
Conductivity	1/R		> 58 m/(Ωmm²)	> 58 m/(Ωmm²)
Breakdown voltage	IEC 60851 - 5.4		IEC 60317-0-1[2)]	> 6,0 kV
Mechanical properties				
Elongation	IEC 60851-3.3		IEC 60317-0-1[2)]	40%
Springiness	IEC 60851-3.4	Springiness[3)]	IEC 60317-0-1[2)]	43°
		Springback[4)]	≤5°	-
Flexibility	IEC 60851-3.5	Mandrel wind.[3)]	1 x Ø	10 % elongation + 1xØ
		Stretching[4)]	min. 32%	-
Adherence	IEC 60851-3.5	Jerktest[5)]	No loss of adhesion	OK
		Peeltest[6)]	min. 110[7)]	-
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.

Certified according to ISO 9001, IATF 16949, ISO 14001

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

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