DAMID 200 AL

Round enamelled winding wire of aluminium, heat resistant, class 200

Product name:
Damid 200 AL

Specifications:
IEC 60317-25

UL approval:
Approved: Damid 200
UL-file no: E101843

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

Conductor material:
EN 1715 - EN AW1370 [Al 99.7]

Insulation:
Basecoat: THEIC-modified polyester or polyesterimide
Overcoat: Polyamide-imide

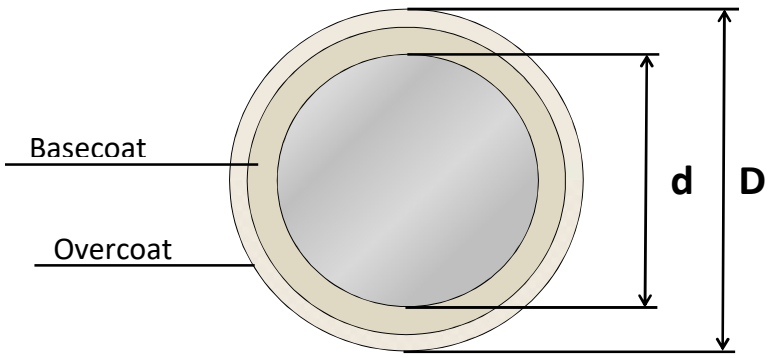
Properties:
- High heat resistance
- Suitable in lightweight designs
- Very good resistance to transformer oils
- Very good resistance to typical solvent
- Freon resistant

Field of application:
- Lightweight designs
- Electric motors
- Oil-cooled transformers
- Dry-insulated transformers
- Welding transformers

Dimension range:
Damid 200 AL - Gr 1: 1,50 ≤ Ø ≤ 4,00
Damid 200 AL - Gr 2: 1,50 ≤ Ø ≤ 4,00
Other dimensions or grade upon request

Standard
A400/630

Shelf life:
6 years, under normal ambient conditions



D - d = Increase

dahrén

DAMID 200 AL

Round enamelled conductor of aluminium, heat resistant, class 200

Properties for DAMID 200 AL

Main characteristics	Test method		Property values	Test values for a Damid 200 AL sample (2,00 mm, Gr2)
Thermal properties				
Heat shock	IEC 60851 - 6.3		≥ 220°C	≥ 220°C
Cut-through	IEC 60851 - 6.4		≥ 320°C	OK at 340°C
Temperature index	IEC 60172		≥ 200°C[1)]	≥ 200°C[1)]
Electrical properties				
Conductivity	1/R		> 35,5 m/(Ωmm²)	> 35,5 m/(Ωmm²)
Breakdown voltage	IEC 60851 - 5.4		IEC 60317-0-3[2)]	9,0
Mechanical properties				
Elongation	IEC 60851-3.3		IEC 60317-0-3[2)]	25%
Flexibility	IEC 60851-3.5	Mandrel wind.[3)]	3 x Ø	-
		Stretching[4)]	min 15 %	20%
Adherence	IEC 60851-3.5	Jerktest[5)]	No loss of adhesion	-
		Peeltest[6)]	min. 110[7)]	140

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 (internal LWW standard)
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.
We reserves the right to make any amendments deemed necessary

Ed.A(6) 2023-03

dahrén