

# DAMID 200 AL

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

Former designation:  
Damid PE Al

**Product name:**

Damid AL 200 - Gr 2

**Specifications:**

IEC 60317-25

**UL approval:**

Approved: Damid PE

UL-file no: E101843

**Class: 200**

Temperature index  $\geq 200^{\circ}\text{C}$

Heat shock:  $\geq 220^{\circ}\text{C}$

**Conductor material:**

AL according to EN 1715

**Insulation:**

Basecoat: THEIC-modified polyester

Overcoat: Polyamide-imide

**Properties:**

- Heat resistant
- Suitable in lightweight designs
- Resistant to transformer oil

**Field of application:**

- Lightweight designs
- Electric motors
- Oil-cooled transformers
- Dry-insulated transformers
- Welding transformers

**Dimension range:**

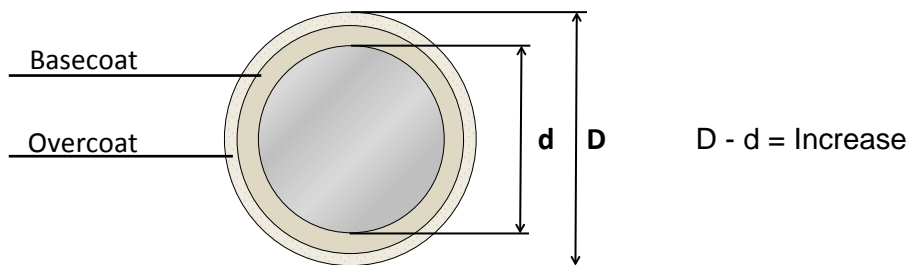
Damid Al 200 Gr2:  $0,900 \leq \varnothing \leq 5,000$

**Standard packaging:**

$0,900 \leq \varnothing \leq 5,000$  Reel 630

**Shelf life:**

10 years, under normal ambient conditions



# DAMID 200 AL

Round enamelled conductor of aluminium, heat resistant, class 200

## Properties for DAMID AL 200

Main characteristics	Test method	Property values	Test values for a Damid AL 200 sample (2,00 mm, Gr2)
<b><u>Thermal properties</u></b>			
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 <sup>1)</sup>	≥ 200°C <sup>1)</sup>
<b><u>Electrical properties</u></b>			
Conductor resistance	IEC 60851 - 5.3	0,02789 Ωmm <sup>2</sup> /m	0,02789 Ωmm <sup>2</sup> /m
Conductivity	1/R	> 35,5 m/(Ωmm <sup>2</sup> )	> 35,5 m/(Ωmm <sup>2</sup> )
Breakdown voltage	IEC 60851 - 5.4	IEC 60317-0-3 <sup>2)</sup>	9,0
<b><u>Mechanical properties</u></b>			
Elongation	IEC 60851-3.3	IEC 60317-0-3 <sup>2)</sup>	25%
Flexibility	IEC 60851-3.5	Mandrel wind. <sup>3)</sup>	3 x Ø
		Stretching <sup>4)</sup>	min 15 %
Adherence	IEC 60851-3.5	Jerktest <sup>5)</sup>	No loss of adhesion
		Peeltest <sup>6)</sup>	min. 110 <sup>7)</sup>

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.

The technical data included is up to date at the time of printing.

LWW reserve the right to make any amendments deemed necessary

Liljedahl Winding Wire

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liljedahl winding wire