

DAMID 200 AL

Rectangular enamelled wire of aluminium, class 200

Former designation:
Damid AL 2

Product name:

Damid 200 AL - Gr 2

Properties:

- Heat resistant
- Allows lightweight designs

Specifications:

Internal LWW (corresponding to IEC 60317-29)

Field of application:

- Oil-filled transformers
- Dry transformers
- Small transformers
- Welding transformers
- Coils

UL approval:

Approved: Damid
UL-file no: E101843

Standard packaging:

Drum 630

Class: 200

Temperature index $\geq 200^{\circ}\text{C}$
Heat shock: $\geq 220^{\circ}\text{C}$

Shelf life:

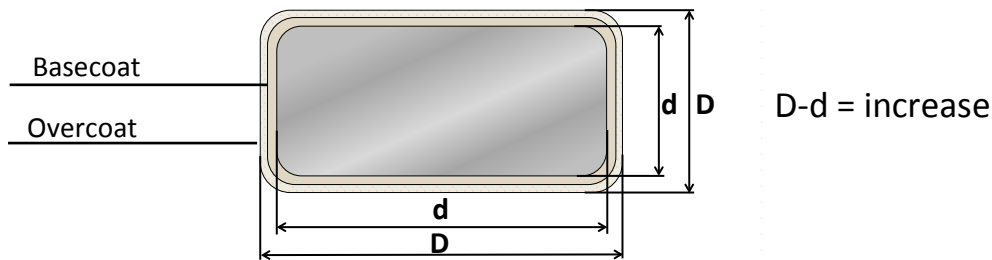
10 years, under normal ambient conditions

Conductor material:

Al according to EN 1715

Insulation:

Basecoat: THEIC-modified polyester(imide)
Overcoat: Polyamide-imide



Increase in dimension due to insulation = 0,10-0,20 mm

Conductor tolerances

Nominal width or thickness of the conductor (mm)		Tolerance +/- (mm)
Over	Up to and including	
-	3,15	0,030
3,15	6,30	0,050
6,30	12,50	0,070
12,50	16,00	0,100

Conductor corner radius

Nominal thickness of conductor (mm)		Corner radius (mm)	Tolerance
Over	Up to and including		
-	1,00	0,5 nominal thickness	+/- 25%
1,00	1,60	0,50	+/- 25%
1,60	2,24	0,65	+/- 25%
2,24	3,55	0,80	+/- 25%
3,55	5,60	1,00	+/- 25%

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Properties for DAMID 200 AL

Main characteristics	Test method	Interval	Acceptance criteria	Test values for a Damid 200 AL sample (8,00 x 3,00)
Thermal properties				
Heat shock	IEC 60851 - 6.3	All sizes	$\geq 220^{\circ}\text{C}$, 6 x T	$\geq 220^{\circ}\text{C}$, 6 x T
Temperature index	IEC 60172	¹⁾	$\geq 200^{\circ}\text{C}^{2)}$	$\geq 200^{\circ}\text{C}^{2)}$
Electrical properties				
Conductor resistance	IEC 60851 - 5.3	³⁾	0,02789 $\Omega\text{mm}^2/\text{m}$	0,02789 $\Omega\text{mm}^2/\text{m}$
Conductivity	1/R	³⁾	$> 35,5 \text{ m}/(\Omega\text{mm}^2)$	$> 35,5 \text{ m}/(\Omega\text{mm}^2)$
Breakdown voltage	IEC 60851 - 5.4	All sizes	2,0 kV	4,2 kV
Mechanical properties				
Flexibility	IEC 60851-3.5	width $\leq 10 \text{ mm}$ width $> 10 \text{ mm}$ All sizes	4 x width 5 x width 4 x thickness	3 x width 4 x width 3 x thickness
- Bending edgewise				
- Bending flatwise				
Adherence -Cut and stretch	IEC 60851-3.5	All sizes	10 % stretch, Loss of adhesion $< 1 \text{ x width}$	15 % stretch

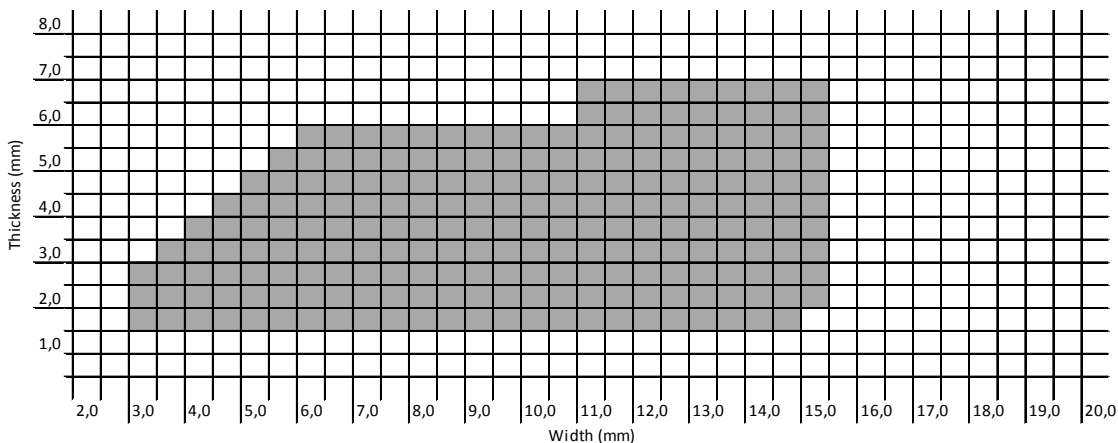
1. Test conducted on round wire, 1,00 mm grade 2, according to IEC 60172

2. According to supplier certificate

3. Dependence of dimension is expressed by the unit

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

Dimension range



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

dahréntråd

isodraht

ślaska

利里达尔电磁线
liljedahl winding wire