

DAMID 200

Round enamelled winding wire of copper, class 200

Former designations:

AMIDER
 Damid, Damid PE
 Multogan 2000

Product name:

Damid 200 - Gr 1
 Damid 200 - Gr 2
 Damid 200 - Gr 3

Specifications:

IEC 60317-13

UL approval:

Approved: AMIDER
 UL-file no: E206884

Approved: Damid
 UL-file no: E101843

Approved: Damid PE
 UL-file no: E101843

Approved: Multogan 2000
 UL-file no: E106565

Properties:

- Heat resistant
- Suitable for winding in high speed machines
- Tolerates mechanical stress during winding
- Good resistance to typical solvent

Field of application:

- Electric motors
- Transformers
- All kind of coils
- Ballasts
- Electric devices

Dimension range:

Damid 200 Gr 1	$0,150 \leq \varnothing \leq 6,00$ mm
Damid 200 Gr 2	$0,150 \leq \varnothing \leq 6,00$ mm
Damid 200 Gr 3	$0,355 \leq \varnothing \leq 4,00$ mm

Class: 200

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

Shelf life:

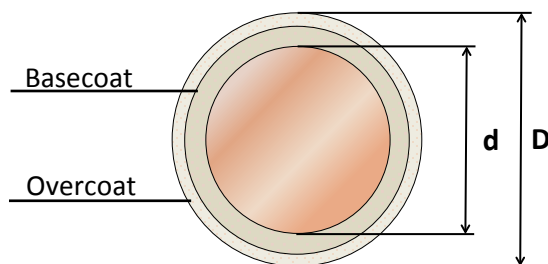
6 years, under normal ambient conditions

Conductor material:

Cu according to EN 1977/ASTM B49

Insulation:

Basecoat: THEIC- Polyester(-imide)
 Overcoat: Polyamide-imide



D - d = Increase

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Properties for DAMID 200

Main characteristics	Test method	Acceptance criteria	Test values for a Damid 200 sample (1,00 mm, Gr2)
<u>Thermal properties</u>			
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⁾
<u>Electrical properties</u>			
Conductor resistance	IEC 60851 - 5.3	0,01709 Ωmm ² /m	0,01709 Ωmm ² /m
Conductivity	1/R	> 58 m/(Ωmm ²)	> 58 m/(Ωmm ²)
Breakdown voltage	IEC 60851 - 5.4	IEC 60317-0-1 ²⁾	7,0 kV
<u>Mechanical properties</u>			
Elongation	IEC 60851-3.3	IEC 60317-0-1 ²⁾	40%
Springiness	IEC 60851-3.4	Springiness ³⁾	IEC 60317-0-1 ²⁾
		Springback ⁴⁾	≤ 5°
Flexibility	IEC 60851-3.5	Mandrel wind. ³⁾	0% elongation + 1x∅
		Stretching ⁴⁾	min 32%
Adherence	IEC 60851-3.5	Jerktest ⁵⁾	No loss of adhesion
		Peeltest ⁶⁾	min. 110 ⁷⁾

1. According to supplier certificate

2. Values depend on dimension and grade

3. Up to an including 1,60 mm

4. Over 1,60 mm

5. Up to an 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.

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