



DAMID 200

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

Product name:

Damid 200 - Gr 1

Damid 200 - Gr 2

Damid 200 - Gr 3

Specifications:

IEC 60317-13 / NEMA MW35/37

UL approval:

Approved: Damid 200

UL-file no: E101843

Class: 200

Temperature index ≥ 200 °C

Heat shock: ≥ 220 °C

Conductor material:

EN 1977 - ETP1 CW003 A

ASTM B49 - ETP C11000/C11040

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
- All kind of coils
- Ballasts
- Electric devices

Dimension range:

Damid 200 - Gr 1 $0,15 \leq \varnothing \leq 5,00$ mm

Damid 200 - Gr 2 $0,15 \leq \varnothing \leq 5,00$ mm

Damid 200 - Gr 3 $0,355 \leq \varnothing \leq 5,00$ mm

Other dimensions upon request

Insulation:

Basecoat: THEIC-modified polyester or polyesterimide

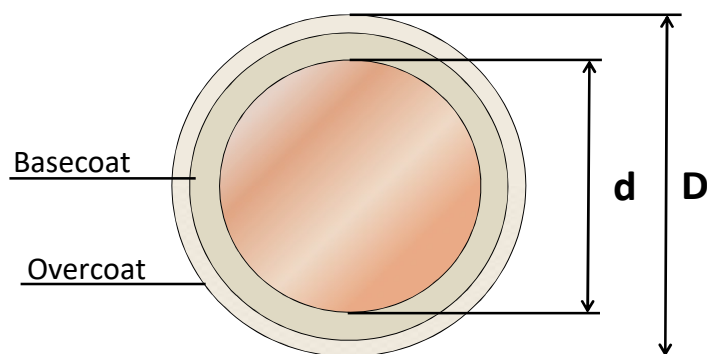
Overcoat: Polyamide-imide

Standard packaging:

K355, K500, A250/400, A315/500, A400/630, depending on dimension and grade

Shelf life:

6 years, under normal ambient conditions



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	$\geq 220\text{ }^{\circ}\text{C}$	$\geq 220\text{ }^{\circ}\text{C}$
Cut-through	IEC 60851 - 6.4	$\geq 320^{\circ}\text{C}$	$> 400\text{ }^{\circ}\text{C}$
Temperature index	IEC 60172	$\geq 200\text{ }^{\circ}\text{C}^{(1)}$	$\geq 200\text{ }^{\circ}\text{C}^{(1)}$
<u>Electrical properties</u>			
Conductivity	1/R	$> 58,5\text{ m}/(\Omega\text{mm}^2)$	$> 58,5\text{ m}/(\Omega\text{mm}^2)$
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⁾	$\leq 5^{\circ}$
Flexibility	IEC 60851-3.5	Mandrel wind. ³⁾	$1 \times \emptyset$
		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.