



# 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  $\geq 200$  °C  
 Heat shock:  $\geq 220$  °C

**Conductor material:**

EN 1977 - ETP1 CW003 A  
 ASTM B49 - ETP C11000/C11040

**Insulation:**

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

**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:**

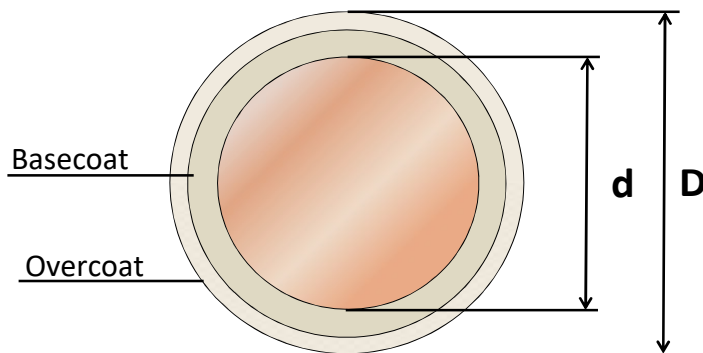
Damid 200 - Gr 1	$0,15 \leq \varnothing \leq 5,00$ mm
Damid 200 - Gr 2	$0,15 \leq \varnothing \leq 5,00$ mm
Damid 200 - Gr 3	$0,355 \leq \varnothing \leq 5,00$ mm
Other dimensions upon request	

**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

# DAMID 200

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

## Properties for DAMID 200

Main characteristics	Test method	Acceptance criteria	Test values for a Damid 200 sample (1,00 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	> 400 °C
Temperature index	IEC 60172	≥ 200 °C <sup>1)</sup>	≥ 200 °C <sup>1)</sup>
<b><u>Electrical properties</u></b>			
Conductivity	1/R	> 58,5 m/(Ωmm <sup>2</sup> )	> 58,5 m/(Ωmm <sup>2</sup> )
Breakdown voltage	IEC 60851 - 5.4	IEC 60317-0-1 <sup>2)</sup>	7,0 kV
<b><u>Mechanical properties</u></b>			
Elongation	IEC 60851-3.3	IEC 60317-0-1 <sup>2)</sup>	40%
Springiness	IEC 60851-3.4	Springiness <sup>3)</sup>	IEC 60317-0-1 <sup>2)</sup>
		Springback <sup>4)</sup>	≤ 5°
Flexibility	IEC 60851-3.5	Mandrel wind. <sup>3)</sup>	1 x Ø
		Stretching <sup>4)</sup>	min 32%
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 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.