DAPREST 200

Round enamelled conductor of copper, corona resistant , class 200

Product name:
Daprest 200 - Gr 2
Daprest 200 - Gr 3

Specifications:
IEC 60317-13 and internal Dahrén

UL approval:
Not approved

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

Conductor material:
EN 1977 - ETP1 CW003 A
EN 1977 - ETP CW004A
ASTM B49 - ETP C11000/C11040

Insulation:
Basecoat: THEIC-modified polyester or polyesterimide
Overcoat: PD-resistant polyamide-imide

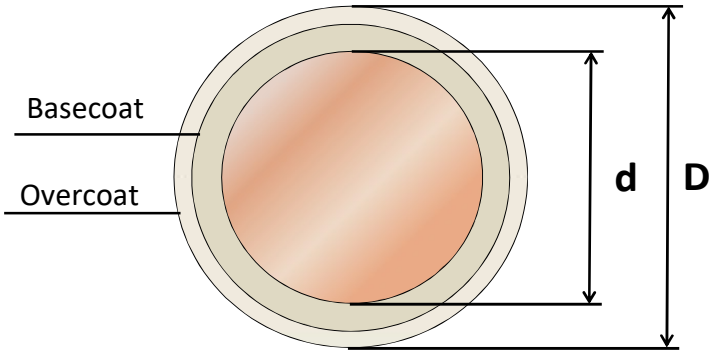
Properties:
- Excellent corona effect resistance
- Very good heat resistance
- High cut-through temperature
- Moisture sensitive

Field of application:
- Transformers and Electric motors
- Traction motors
- Power bridges
- Inverter fed motors

Dimension range:
Daprest 200 Gr 2 0,630 ≤ Ø ≤ 1,600 mm
Daprest 200 Gr 3 0,630 ≤ Ø ≤ 1,500 mm

Standard packaging:
A250/400, A315/500, A400/630

Shelf life:
1 year, under normal ambient conditions



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Properties for DAPREST 200

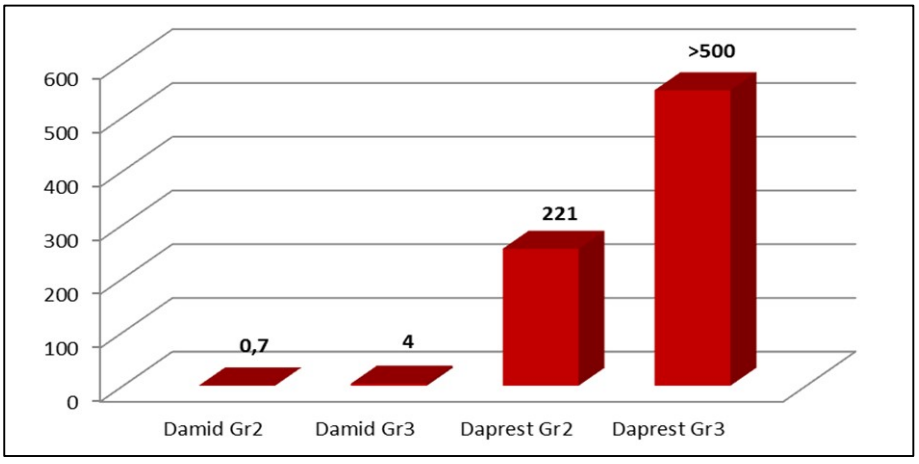
Main characteristics	Test method		Property values	Test values for a DAPREST 200 sample (1,32 mm, Gr2)
Thermal properties				
Heat shock	IEC 60851 - 6.3		≥ 220°C	≥ 220°C
Cut-through	IEC 60851- 6.4		≥ 340°C	≥ 340°C
Temperature index	IEC 60172		≥ 200°C[1)]	≥ 200°C[1)]
Electrical properties				
Conductor resistance	IEC 60851 - 5.3		0,01724 Ωmm²/m	0,01724 Ωmm²/m
Conductivity	1/R		> 58,5 m/(Ωmm²)	> 58,5 m/(Ωmm²)
Breakdown voltage	IEC 60851 - 5.4		IEC 60317-0-1[2)]	8,2 kV
Mechanical properties				
Elongation	IEC 60851-3.3		IEC 60317-0-1[2)]	40%
Springiness	IEC 60851-3.4	Springiness[3)]	IEC 60317-0-1[2)]	35°
		Springback[4)]	≤ 5°	-
Flexibility[8)]	IEC 60851-3.5	Mandrel wind.	[2)]	3 x Ø
Adherence	IEC 60851-3.5	Jerktest[5)]	No loss of adhesion	-
		Peeltest[6)]	min. 110[7)]	143

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
7. Revolutions x nominal dimension
8. Internal Dahrén standard

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

Lifetime of DAMID and DAPREST under inverter duty

Test conditions:16kHz 2,4 kV p-p 155°C



Test developed and performed by enamel supplier

The technical data included is up to date at the time of printing.
We reserves the right to make any amendments deemed necessary

Ed.A(5) 2023.03

Certified according to ISO 9001, IATF 16949, ISO 14001

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