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

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

Conductor material:
Cu according to EN 1977/ASTM B49

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

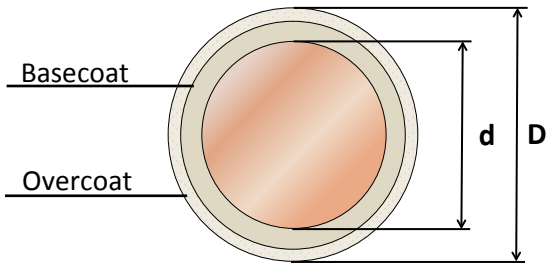
Properties:
- Heat resistant
- Suitable for winding in high speed machines
- Tolerates mechanical stress during winding
- Good resistance to typical solvent

Field of application:
- Electric motors
- Transformers
- All kind of coils
- Ballasts
- Electric devices

Dimension range:

Damid 200 Gr 1	0,150 ≤ Ø ≤ 6,00 mm
Damid 200 Gr 2	0,150 ≤ Ø ≤ 6,00 mm
Damid 200 Gr 3	0,355 ≤ Ø ≤ 4,00 mm

Shelf life:
6 years, under normal ambient conditions



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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)
Thermal properties				
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)]
Electrical properties				
Conductor resistance	IEC 60851 - 5.3		0,01709 Ωmm²/m	0,01709 Ωmm²/m
Conductivity	1/R		> 58 m/(Ωmm²)	> 58 m/(Ωmm²)
Breakdown voltage	IEC 60851 - 5.4		IEC 60317-0-1[2)]	7,0 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)]	45°
		Springback[4)]	≤ 5°	-
Flexibility	IEC 60851-3.5	Mandrel wind.[3)]	0% elongation + 1xØ	15 % + 1xØ
		Stretching[4)]	min 32%	-
Adherence	IEC 60851-3.5	Jerktest[5)]	No loss of adhesion	OK
		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.