DAMID 240

Round enamelled conductor of copper, heat resistant, class 240

Product name:
Damid 240 - Gr 1
Damid 240 - Gr 2

Specifications:
IEC 60317-46 / NEMA MW16

UL approval:
Not approved

Class: 240
Temperature index: ≥ 240°C
Heat shock: 260°C

Conductor material:
EN 1977 - ETP1 CW003A
EN 1977 - ETP CW004A
ASTM B49 - ETP C11000/C11040

Insulation:
Basecoat: Aromatic polyimid or Polyamide-Imide

Properties:
- Very high cut-trough temperature
- Excellent heat resistance
- Very good mechanical resistance

Field of application:
- Electric machines

Dimension range:

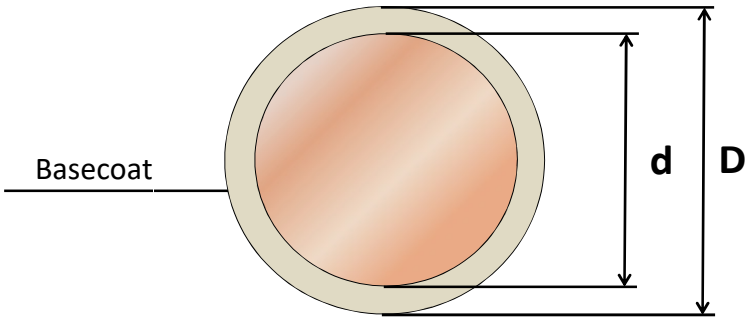
Damid 240 - Gr 1	0,630 ≤ Ø ≤ 1,600 mm
Damid 240 - Gr 2	0,630 ≤ Ø ≤ 1,600 mm

Other dimensions upon request

Standard

0,630 ≤ Ø ≤ 1,500 mm	A400/630

Shelf life:
10 years, under normal ambient conditions



D - d = Increase

dahrén

DAMID 240

Round enamelled conductor of copper, heat resistant, class 240

Properties for DAMID 240

Main characteristics	Test method		Property values	Test values for a DAMID 240 sample (1,25 mm, Gr2)
Thermal properties				
Heat shock	IEC 60851 - 6.3		≥ 260°C	≥ 260°C
Cut-through	IEC 60851- 6.4		≥ 450°C	≥ 450°C
Temperature index	IEC 60172		≥ 240°C[1)]	≥ 240°C[1)]
Electrical properties				
Conductor resistance	IEC 60851 - 5.3		0,01724 Ωmm²/m	0,01724 Ωmm²/m
Conductivity	1/R		> 58 m/(Ωmm²)	> 58 m/(Ωmm²)
Breakdown voltage	IEC 60851 - 5.4		IEC 60317-0-1[2)]	10,0 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)]	36°
		Springback[4)]	≤ 5°	-
Flexibility	IEC 60851-3.5	Mandrel wind.[3)]	1 x Ø	1 x Ø
		Stretching[4)]	min 32 %	-
Adherence	IEC 60851-3.5	Jerktest[5)]	No loss of adhesion	-
		Peeltest[6)]	min. 90[7)]	137

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

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

Certified according to ISO 9001, IATF 16949, ISO 14001

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

dahrén