



DAMID 240

Round enamelled conductor of copper, class 240

Product name:

Damid 240- Gr 1

Damid 240- Gr 2

Specifications:

IEC 60317-46

UL approval:

Not approved

Class: 240

Temperature index: $\geq 240^{\circ}\text{C}$

Heat shock: 260°C

Conductor material:

Cu according to EN 1977/ASTM B49

Insulation:

Basecoat: Polyimid

Properties:

- High cut-trough temperature
- Heat resistant
- Good mechanical resistance

Field of application:

- Electric machines

Dimension range:

Damid 240 - Gr1 $0,500 \leq \varnothing \leq 2,000$ mm

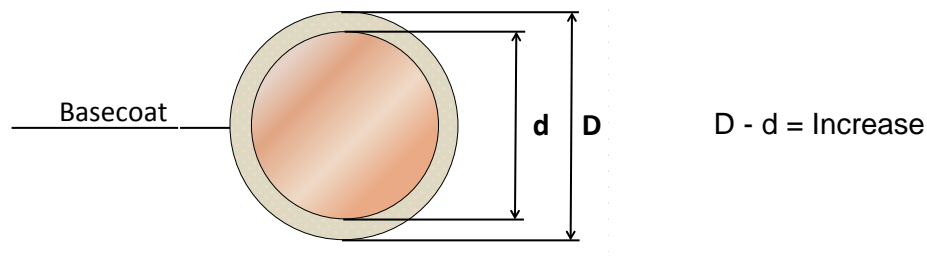
Damid 240 - Gr2 $0,500 \leq \varnothing \leq 2,000$ mm

Standard packaging:

$0,500 \leq \varnothing \leq 2,000$ mm 250, 250/400, 400/630

Shelf life:

10 years, under normal ambient conditions



DAMID 240

Round enamelled conductor of copper, 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-trough	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	0,01709 Ωmm ² /m	0,01709 Ωmm ² /m
Conductivity	1/R	> 58 m/(Ωmm ²)	> 58 m/(Ωmm ²)
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⁾
		Springback ⁴⁾	≤ 5°
Flexibility	IEC 60851-3.5	Mandrel wind. ³⁾	1 x Ø
		Stretching ⁴⁾	min 32 %
Adherence	IEC 60851-3.5	Jerktest ⁵⁾	No loss of adhesion
		Peeltest ⁶⁾	min. 90 ⁷⁾

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.

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

Liljedahl Winding Wire

dahréntråd | isodraht | śląska | 利里达尔电磁线
liljedahl winding wire