

Rectangular Enamelled Wire

Aluminium, Heat Resistant, Class 200



Characteristics

Product name:

ATL200 AL - Gr 2

Specifications:

Internal Sinoalum [corresponding to IEC 60317-29]

Class: 200

Temperature index: $\geq 200^{\circ}\text{C}$

Heat shock: $\geq 220^{\circ}\text{C}$

Conductor material:

EN 1715 - EN AW1370 [Al 99.7]

Insulation:

Basecoat: THEIC-modified polyester or polyesterimide

Overcoat: polyamide-imide

Shelf life:

10 years, under normal ambient conditions

Properties:

- High heat resistance
- Allows lightweight designs
- Very good resistance to transformer oils
- Very good resistance to typical solvent
- Freon resistant

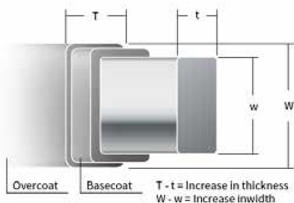
Field of application:

- Oil-filled transformers
- Dry transformers
- Small transformers
- Welding transformers

Standard packaging:

PT520

Product drawings



Technical Properties

Main characteristics	Acceptance criteria	Test values for a damid200 sample (1,00 mm, Gr2)
Thermal properties Heat shock	$\geq 220^{\circ}\text{C}$, 6 x T	$\geq 220^{\circ}\text{C}$, 6 x T
Temperature index	$\geq 200^{\circ}\text{C}$)	$\geq 200^{\circ}\text{C}$)
Electrical properties Conductor resistance	0,02817 $\Omega\text{mm}^2/\text{m}$	0,02817 $\Omega\text{mm}^2/\text{m}$
Conductivity	$> 35.5 \text{ m}/(\Omega\text{mm}^2)$	$> 35.5 \text{ m}/(\Omega\text{mm}^2)$
Breakdown voltage	2,0 kV	4,2 kV
Adherence -Cut and stretch	10 % stretch, loss of adhesion < 1 x width	15 % stretch