

MAGNETEMP[®] PA-200

MAGNETEMP[®] PA₂-200

Properties

Magnetemp[®] PA-200 has the following characteristics:

- temperature index of 210°C,
- high adhesion to copper thanks to the choice of the basecoat,
- excellent mechanical, thermal and chemical resistance.

Insulation

Magnetemp[®] PA-200 is a polyester (THEIC) enameled copper wire, overcoated with polyamide-imide.

Application

Magnetemp[®] PA-200 is designed for the following applications:

- winding for the automotive industry,
- demanding mechanical requirements
- severe winding conditions and unusual shapes.

Production range

The standards are:

Diameter:	0.56 to 5 mm
Thickness:	Grade 1 and Grade 2
Color:	Natural

This product is also available as selflubricated wire, particularly designed for high-speed winding process:

Magnetemp[®] PA₂-200

Characteristics

Magnetemp[®] PA-200 fulfills the requirements of the following specifications:

IEC 60317-13

NEMA MW 35

Magnetemp[®] PA-200 has an official approval by UL, class 200.

MAGNETEMP[®] PA-200

Valeurs typiques d'un fil Magnetemp[®] PA-200 mesurées selon les normes CEI 60 851	Typical values for a Magnetemp[®] PA-200 sample according to IEC 60 851 standards	
Diamètre du conducteur Diamètre sur émail Isolation de base Surcouche	1,250 1,334 Polyester (THEIC) Polyamide-imide	Conductor Diameter Overall Diameter Basecoat Overcoat
Principales caractéristiques		Main characteristics
Indice de température	210°C	Thermal index
Durée de vie de 5000 h à	230°C	5000 h life test
Choc thermique	OK at 240°C	Heat shock
Thermoplasticité	≥ 340°C	Cut through temperature
Tension de claquage	≥ 1,5 IEC values	Breakdown voltage
Flexibilité	5 % + 1 diam.	Flexibility
Allongement	42 %	Elongation
Tangente Delta	≥ 160°C	Tangent Delta
Resistance aux agents chimiques	Good	Chemical resistance

These values are for information only.

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THERMAL ENDURANCE GRAPH - TEMPERATURE INDEX

MAGNETEMP[®] PA-200, without impregnation
Nominal diameter 0,400 mm
Increase in diameter due
to the insulation 0,034 mm
Test voltage 400 V

