

# MAGNETEMP<sup>®</sup> PA-200

## MAGNETEMP<sup>®</sup> PA<sub>2</sub>-200

### Properties

**Magnetemp<sup>®</sup> 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<sup>®</sup> PA-200** is a polyester (THEIC) enameled copper wire, overcoated with polyamide-imide.

### Application

**Magnetemp<sup>®</sup> 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<sup>®</sup> PA<sub>2</sub>-200**

### Characteristics

**Magnetemp<sup>®</sup> PA-200** fulfills the requirements of the following specifications:

IEC 60317-13

NEMA MW 35

**Magnetemp<sup>®</sup> PA-200** has an official approval by UL, class 200.

### MAGNETEMP<sup>®</sup> PA-200

Valeurs typiques d'un fil <b>Magnetemp<sup>®</sup> PA-200</b> mesurées selon les normes CEI 60 851	Typical values for a <b>Magnetemp<sup>®</sup> PA-200</b> 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
<b>Principales caractéristiques</b>		<b>Main characteristics</b>
Indice de température	<b>210°C</b>	Thermal index
Durée de vie de 5000 h à	<b>230°C</b>	5000 h life test
Choc thermique	<b>OK at 240°C</b>	Heat shock
Thermoplasticité	<b>≥ 340°C</b>	Cut through temperature
Tension de claquage	<b>≥ 1,5 IEC values</b>	Breakdown voltage
Flexibilité	<b>5 % + 1 diam.</b>	Flexibility
Allongement	<b>42 %</b>	Elongation
Tangente Delta	<b>≥ 160°C</b>	Tangent Delta
Resistance aux agents chimiques	<b>Good</b>	Chemical resistance

These values are for information only.

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**THERMAL ENDURANCE GRAPH  
- TEMPERATURE INDEX**

MAGNETEMP<sup>®</sup> PA-200, without impregnation  
Nominal diameter 0,400 mm  
Increase in diameter due  
to the insulation 0,034 mm  
Test voltage 400 V

