

## Properties

**Magnetemp<sup>®</sup> Y-240** has the following characteristics:

- temperature index of 240°C,
- high cut through and high resistance to heat shock and high overloads,
- excellent mechanical characteristics while winding ,
- high chemical resistance,
- very good resistance to radiation.

## Insulation

**Magnetemp<sup>®</sup> Y-240** is a polyimide enameled copper wire.

## Application

**Magnetemp<sup>®</sup> Y-240** is designed for following applications:

- electrical machines supporting high thermal overloads,
- relays, transformers and special motors.

## Production range

The standards are:

Diameter:	0.05 to 1.00 mm
Thickness:	Grade 1 and Grade 2
Color:	Natural

## Characteristics

**Magnetemp<sup>®</sup> Y-240** fulfills the requirements of the following specifications:

IEC 60317-46

NEMA MW 16

**Magnetemp<sup>®</sup> Y-240** has an official approval by UL, class 240.

## MAGNETEMP<sup>®</sup> Y-240

Valeurs typiques d'un fil <b>Magnetemp<sup>®</sup> Y-240</b> mesurées selon les normes CEI 60 851	Typical values for a <b>Magnetemp<sup>®</sup> Y-240</b> sample according to IEC 60 851 standards	
Diamètre du conducteur	0,800	Conductor Diameter
Diamètre sur émail	0,867	Overall Diameter
Isolation de base	Polyimide	Basecoat
<b>Principales caractéristiques</b>		<b>Main characteristics</b>
Indice de température	<b>240°C</b>	Thermal index
Durée de vie de 5000 h à	<b>260°C</b>	5000 h life test
Choc thermique	<b>OK at 300°C</b>	Heat shock
Thermoplasticité	<b>≥ 500°C</b>	Cut through temperature
Tension de claquage	<b>≥ 1,5 IEC values</b>	Breakdown voltage
Flexibilité	<b>10 % + 1 diam.</b>	Flexibility
Allongement	<b>40 %</b>	Elongation
Tangente Delta	<b>≥ 270°C</b>	Tangent Delta
Resistance aux agents chimiques	<b>Very good</b>	Chemical resistance
Tenue aux radiations 3.10 <sup>9</sup> Rad de rayons gamma	<b>Good</b>	Keeping radiations 3.10 <sup>9</sup> Rad gamman ray

These values are for information only.