MAGNETEMP® A-220

Properties

Magnetemp® A-220 has the following characteristics:
- temperature index of 225°C,
- good resistance to heat shock and high temperature overloads,

Insulation

Magnetemp® A-220 is a polyamide-imide enameled copper wire.

Application

Magnetemp® A-220 is designed for the following appliations:
- winding of special motors (i.e: motors for windscreen wipers),
- special relays and special transformers,
- winding able to withstand radiation and therefore manufactured according to nuclear industry requirements.

Production range

The standards are:

Diameter:	0.132 to 1.25
Thickness:	Grade 1 and Grade 2
Color:	Natural

Characteristics

Magnetemp® A-220 fulfills the requirements of the following specifications:
IEC 60317-26
NEMA MW 81
Magnetemp® A-220 has an official approval by UL, class 220.

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Valeurs typiques d'un fil **Magnetemp® A-220** mesurées selon les normes CEI 60 851		Typical values for a **Magnetemp® A-220** sample according to IEC 60 851 standards
Diamètre du conducteur Diamètre sur émail Isolation de base	0,390 0,420 Polyamide-imide	Conductor Diameter Overall Diameter Basecoat
Principales caractéristiques		**Main characteristics**
Indice de température	**225°C**	Thermal index
Durée de vie de 5000 h à	**245°C**	5000 h life test
Choc thermique	**OK at 250°C**	Heat shock
Thermoplasticité	**≥ 400°C**	Cut through temperature
Tension de claquage	**≥ 1,5 IEC values**	Breakdown voltage
Flexibilité	**15 % + 1 diam.**	Flexibility
Allongement	**38 %**	Elongation
Tangente Delta	**≥ 250°C**	Tangent Delta
Resistance aux agents chimiques	**Very good**	Chemical resistance
Résistance à l'abrasion	**Good**	Resistance to abrasion

These values are for information only.

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THERMAL ENDURANCE GRAPH
- TEMPERATURE INDEX

MAGNETEMP® A-220, without impregnation
Nominal diameter 0,800 mm
Increase in diameter due to the insulation 0,060 mm
Test voltage 700 V