

MAGNEFORM® F-120

MAGNEFORM® FN-120

Properties

Magneform® F-120 has the following characteristics:

- temperature index of 120°C,
- designed to meet the standard requirements for enameled wires used in transformers,
- excellent resistance to oil,
- good abrasion resistance and good adhesion which enables the wire to resist the most severe conditions.

Insulation

Magneform® F-120 is a polyvinyl acetal enameled copper wire.

Application

Magneform® F-120 is designed for the following applications:

- oil filled and chlorinated dielectric transformers,
- dry-type transformers and electrical coils designed to class A and E.

Production range

The standards are:

Diameter:	0.6 to 5 mm
Thickness:	Grade 1 and Grade 2
Color:	Natural

This product can be ordered with polyamide overcoat under the trademark:

Magneform® F-120 (NEMA MW 17)

Characteristics

Magneform® F-120 fulfills the requirements of the following specifications:

IEC 60317-12

NEMA MW 15

MAGNEFORM® F-120

Valeurs typiques d'un fil Magneform® F-120 mesurées selon les normes CEI 60 851	Typical values for a Magneform® F-120 sample according to IEC 60 851 standards	
Diamètre du conducteur	1,487	Conductor Diameter
Diamètre sur émail	1,578	Overall Diameter
Isolation de base	Polyvinyl acetal	Basecoat
Principales caractéristiques		Main characteristics
Indice de température	120°C	Thermal index
Choc thermique	OK at 175°C	Heat shock
Thermoplasticité	215°C	Cut through temperature
Tension de claquage	≥ 1,5 x IEC values	Breakdown voltage
Flexibilité	5 % + 1 diam.	Flexibility
Allongement	41 %	Elongation
Resistance aux agents chimiques	Good	Chemical resistance
Résistance aux huiles	very good	Resistance to transformer oil
Résistance à l'abrasion	≥ 1,5 IEC values	Resistance to abrasion

These values are for information only.