



MAGNETEMP[®] CA-200

SHAPED ENAMELLED WIRES

Properties

- excellent thermal characteristic
- suitable for winding in oil filled transformers
- high resistance to abrasion
- temperature index of 200 °C of the base coat
- high chemical, hydrolysis and transformer oil resistance (mineral and ester oils)

Insulation

THEIC modified polyester imide covered with polyamide imide

Application

Magnetemp[®] CA-200 is especially designed for the usage in AC and DC motors, oil immersed and dry type transformers, hermetic motors and magnetic coils.

Production range

Size range	Width	1.00 to 25.00 mm
	Thickness	0.80 to 5.00 mm
Thickness base coat	Base coat	Grade 1 (0,060 – 0,110 mm) Grade 2 (0,120 – 0,170 mm)

Standards

Product according IEC 60317-0-2 and IEC 60317-29. The product is listed in the UL-file E32638.

Electrical properties

Breakdown voltage	Grade 1	≥ 1,50 kV
	Grade 2	≥ 2,50 kV

Mechanical properties

Elongation		> 32 %
Bending test	flatwise, w ≤ 10 mm	4 x w
	flatwise, w > 10 mm	5 x w
	edgewise	4 x t
Pencil Hardness		≥ 4 H

Thermal properties

Cut through temperature *	≥ 350 °C
Thermal class	200
Heat shock	220 °C
Temperature index (base coat)*	≥ 200 °C

all measurements acc. IEC 60851

* measured on round enamelled wires

Copyright © 09/2012 Superior Essex Inc. All Rights Reserved



MAGNETEMP® CA-200

Storage condition and shelf life

Enamelled Winding Wire is not subject to any specific provisions within the European Community. Care should however be taken to ensure that all loads are secured and unable to move during transportation. The transport and storage of spools laying on the flange are not allowed.

The storage temperature should not exceed 60 °C. High humidity, condensate water or aggressive agents should be avoided. Recommended conditions are 25 °C at 60 % humidity and no direct solar radiation. Under optimum storage condition the minimum shelf life for the magnet wire MAGNETEMP® CA-200 is 3 years. These are standard values, after exceeding the time limit the properties of the wire have to be tested before use.

SPOOL & PACKAGING

Type	Flange mm	Core mm	Width mm	Traversing mm	Center Bore mm	Net Weight approx kg
K 355	355	224	200	160	36	48
K 500	500	315	250	180	36	90
H 710	710	500	250	180	52	120
VM 630	628	316	228	188	41	200

* Other spool types on Request



Mehr Information!
More informations!

Kaltenbach GmbH & Co KG

Sirnauer Straße 48-50
D-73779 Deizisau

Telefon: +49 (0) 7153/6129-0
Telefax: +49 (0) 7153/6129-55
mail@kaltenbach-online.com
kaltenbach-online.com