

MAGNEBOND® FX-120

Properties

- temperature index 120 of the base coat
- suitable for winding in oil immersed transformers
- high chemical and humidity resistance

Magnebond® FX-120 is bonded on effect of heat resulting in a bonded coils. It is characterised by:

- Quick curing
 <24 h at 120°C
- Expanded shelf life
 ≥ 12 months
- Excellent chemical resistance
- Smooth surface of enamel film

Insulation

Polyvinyl acetate, the final layer consists of epoxy bond coat.

Application

Magnebond® FX-120 is designed for the production of self-bonded, transformer coils with high mechanical strength. Bonding of the coil is achieved during the vapour phase drying process.

Production range

Size range	Width	2.80 to 12.50 mm
	Thickness	1.00 to 3.15 mm
Thickness base coat	Base coat	Grade 1 or Grade 2
	Bond coat	0.030 to 0.060 mm (thickness) 0,000 to 0,020 mm (width)

Electrical properties

Breakdown voltage	≥ 1.5 IEC values
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Mechanical properties

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

Thermal properties

Cut through temperature (base coat) *	≥ 230 °C
Thermal class (base coat)	120
Heat shock	155 °C
Temperature index (base coat)*	≥120

* measured on round enamelled wires