

FEINMICAGLAS® 0986

Description:

Fine quality mica paper glass cloth, tapes flexible cured – with PET-film on both sides.

FEINMICAGLAS® 0986 is a multilayer insulating material consisting of glass cloth and mica paper and a PET-film on both sides of the tape.

Properties:

FEINMICAGLAS® 0986 is highly flexible. This flexibility allows to be tightly applied to tight bends and difficult shapes. Conductors and endwindings which have been insulated with FEINMICAGLAS® 0986 can afterwards be shaped and formed without any mechanical damage occurring to the tape.

Application:

FEINMICAGLAS® 0986 is suitable for the insulation of single conductors, armature conductors and overhangs of traction motors and DC machines as well as for endwinding insulation of high voltage electric motors and generators.

Materials:

FEINMICAGLAS® 0986 is a multilayer insulating material consisting of glass cloth and mica paper and a PET-film on both sides of the tape. A special modified acrylic resin is used as a binder.

Formats:

Rolls: max. width 1000 mm

Tapes: from 10 mm width upwards

Storability:

At normal storage conditions (20° C, 50 % r. h.) FEINMICAGLAS® 0986 generally have an unlimited shelf life. However, for greatly extended storage periods there could be a tendency for a slight loss of pliability.

Technical Data

FEINMICAGLAS® 0986				
Properties	Test method	Unit	Value	Value
Nominal thickness		mm	0.10	0.13
Tolerance		mm	± 0.02	± 0.02
Total substance	IEC 371-2	g/m ²	155 ± 11	205 ± 15
Glass cloth	IEC 371-2	g/m ²	24 ± 1	24 ± 1
Mica paper	IEC 371-2	g/m ²	75 ± 8	120 ± 8
PET-film	IEC 371-2	g/m ²	2 x 8 ± 1	2 x 8 ± 1
		mm	2 x 0.006	2 x 0.006
Resin content	IEC 371-2	g/m ²	40 ± 6	45 ± 6
Tensile strength	IEC 371-2	N/10mm	≥ 80	≥ 80
Breakdown voltage	IEC 371-2	kV	≥ 3.5	≥ 5
Thermal classification	IEC 216	°C	155 (F)	155 (F)