

FEINMICAGLAS® 2022

Description:

FEINMICAGLAS® 2022 consists of a high quality mica paper with a finely woven glass cloth carrier and in addition a polyester film on the mica paper side using a synthetic resin as a binder. This resin has been modified to provide extreme flexibility.

Properties:

All grades of FEINMICAGLAS® are supplied in tape form. These tapes are highly flexible and this flexibility allows the tape to be tightly applied to tight bends and difficult shapes. Conductors and endwindings which have been insulated with FEINMICAGLAS® can afterwards be shaped and formed without any mechanical damage occurring to the tape.

Application:

FEINMICAGLAS® 2022 are suitable for the insulation of single conductors, armature conductors and overhangs of traction motors and D.C. machines as well as for endwinding insulation of high voltage electric motors and generators.

FEINMICAGLAS® 2022 is to be used with higher electrical strength.

Materials:

FEINMICAGLAS® 2022 consists of a high quality mica paper with a finely woven glass cloth carrier and in addition a polyester film on the mica paper side using a synthetic resin as a binder. This resin has been modified to provide extreme flexibility.

Formats:

Rolls: max. 1000 mm width
Tapes: from 10 mm width upwards

Storability:

In normal storage conditions (20° C, 50 % r. h.) FEINMICAGLAS® tapes 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®			2022
Properties	Test method	Unit	Value
Nominal thickness		mm	0.13
Tolerance	IEC 371-2	mm	± 0.02
Total substance	IEC 371-2	g/m ²	165 ± 20
Glass content	IEC 371-2	g/m ²	33 ± 3
Mica paper	IEC 371-2	g/m ²	75 ± 8
Polyester film	IEC 371-2	g/m ²	17 ± 2
Resin content	IEC 371-2	g/m ²	40 ± 7
Tensile strength	IEC 371-2	N/10mm	≥ 150
Breakdown voltage	IEC 371-2	kV	≥ 3.5
Thermal classification	IEC 216	°C	155 (F)