

FEINMICAGLAS® 2596

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Description

FEINMICAGLAS® 2596 consists of a high quality mica paper with a glass cloth carrier using a synthetic resin as binder. This resin has been modified to provide extreme flexibility. FEINMICAGLAS® 2596 tapes are highly flexible which allows taping of small bends and difficult shapes.

Application

FEINMICAGLAS® 2596 is suitable for the insulation of single conductors, armature conductors and overhangs of traction motors and D.C. machines as well as for end winding insulation of high voltage electrical motors and generators. Conductors and end windings, which have been insulated with FEINMICAGLAS® can afterwards be shaped and formed without mechanical damage to the tape.

Formats

Rolls: maximum width 1000 mm
Tapes: from 10 mm width upward

Storability

Minimum 6 months at 20 °C,
Minimum 12 months at 5 °C

Technical Data

FEINMICAGLAS® 2596				
Properties	Test method	Unit	Value	Value
Nominal thickness	IEC 60371-2	mm	0.08 ± 0.01	0.11 ± 0.02
Total substance	IEC 60371-2	g/m ²	95 ± 9	138 ± 9
Glass content	IEC 60371-2	g/m ²	24 ± 1	33 ± 3
Mica paper	IEC 60371-2	g/m ²	50 ± 5	75 ± 8
Resin content	IEC 60371-2	g/m ²	21 ± 3	30 ± 3
Breakdown voltage	IEC 60243-1	kV	³ 1.5	³ 2.0
Tensile strength	IEC 60371-2	N/cm	³ 80	³ 150
Thermal class	IEC 60216-2		155 (F)	155 (F)