

CALMICA® S 100 3052

Composition

CALMICA® S 100 3052 consists of mica paper based on calcined muscovite, impregnated with B-staged epoxy novolac resin and a thermo-shrinkable PET-film as a carrier.

Properties

CALMICA® S 100 3052 is a flexible mica paper compound which shows excellent workability and high dielectric strength due to the PET-film carrier. The shrinkable film gives the advantage to get consolidation to some extent without using pressure from outside.

Application

CALMICA® S 100 3052 is used e. g. as main insulation for coils of high voltage machines in the overhang part as well as for the insulation of pole coils.

Storability

min. 6 months at 20°C

min. 12 months at 5°C

Formats

Rolls max. width 1000 mm ;

Tapes from 10 mm width upwards.

Technical Data

Type			S 100 3052
Properties as delivered	Test method	Unit	Value
Nominal thickness		mm	0,20
Tolerance	IEC 371	mm	± 0,02
Total substance	IEC 371	g/m ²	292 ± 20
Mica paper	IEC 371	g/m ²	150 ± 8
Resin content	IEC 371	g/m ²	100 ± 9
PET-film	IEC 371	g/m ²	42 ± 3
Tensile strength	IEC 371	N/10mm	≥ 20
Volatile content (15 min. 150°C)	IEC 371	%	≤ 1
Breakdown voltage	IEC 371	KV	≥ 5
Shrinking after 15 min. at 150 °C	IPV no.22	%	Min. 20
Curing conditions	Temperature: 130 – 180°C; Time: 8,0 – 0,5 hours		