

VOTASTOP[®] 2235

Description:

VOTASTOP[®] 2235 consists of mica paper based on uncalcined muscovite impregnated with a thermosetting epoxy resin.

Properties:

VOTASTOP[®] 2235 can be easily cut on hammer shears into required dimensions. When pressed under temperature VOTASTOP[®] 2235 becomes soft and flows into cavities.

Application:

To fill up uneven parts and cavities on bars especially roebel bars and coils of high voltage machines, as a link between main insulation and single conductor bundle.

Composition:

VOTASTOP[®] 2235 consists of mica paper based on uncalcined muscovite impregnated with a thermosetting epoxy resin.

Formats:

Thickness 0.20 and 0.30 mm: Rolls approx. 1000 mm wide
Thickness 0.7 – 3.0 mm: Sheets approx. 1000 x 1000 mm

VOTASTOP[®] 2235 is supplied interleaved.

Storability:

min. 6 months at 20° C
min. 12 months at 5° C

Technical Data

VOTASTOP® 2235						
Properties	Test method	Unit	Value	Value	Value	Value
Nominal thickness		mm	0.2	0.30	0.7	1.0
Tolerance	IEC 371-2	mm	± 0.075	± 0.10	± 0.15	± 0.15
Total substance	IEC 371-2	g/m ²	400 ± 35	576 ± 43	1200 ± 100	2000 ± 140
Mica paper	IEC 371-2	g/m ²	250 ± 20	360 ± 25	750 ± 50	1250 ± 65
Epoxy resin content	IEC 371-2	g/m ²	150 ± 15	216 ± 25	450 ± 50	750 ± 75
Volatile content	IPV Nr. 6	%	≤ 1	≤ 1	≤ 1	≤ 1
Curing conditions			1 Std. 160° C			
Thermal classification	IEC 216	°C	155 (F)	155 (F)	155 (F)	155 (F)

Properties	Test method	Unit	Value	Value	Value
Nominal thickness		mm	1.3	1.7	2.0
Tolerance	IEC 371-2	mm	± 0.15	± 0.20	± 0.20
Total substance	IEC 371-2	g/m ²	2400 ± 200	3200 ± 250	3600 ± 275
Mica paper	IEC 371-2	g/m ²	1500 ± 100	2000 ± 130	2250 ± 140
Epoxy resin content	IEC 371-2	g/m ²	900 ± 100	1200 ± 120	1350 ± 135
Volatile content	IPV Nr. 6	%	≤ 1	≤ 1	≤ 1
Curing conditions			1 Std. 160° C		
Thermal classification	IEC 216	°C	155 (F)	155 (F)	155 (F)

Technical Data

Properties	Test method	Unit	Value	Value	Value
Nominal thickness		mm	2.3	2.7	3.0
Tolerance	IEC 371-2	mm	± 0.20	± 0.30	± 0.30
Total substance	IEC 371-2	g/m ²	4000 ± 310	4800 ± 360	5200 ± 400
Mica paper	IEC 371-2	g/m ²	2500 ± 150	3000 ± 160	3250 ± 175
Epoxy resin content	IEC 371-2	g/m ²	1500 ± 160	1800 ± 200	1950 ± 225
Volatile content	IPV Nr. 6	%	≤ 1	≤ 1	≤ 1
Curing conditions			1 Std. 160° C		
Thermal classification	IEC 216	°C	155 (F)	155 (F)	155 (F)