

POROBAND® 0410

Description

POROBAND® 0410 consists of high porous mica paper based on uncalcined muscovite, reinforced on one side with glass cloth, and a small amount of Bisphenol-A epoxy-resin. POROBAND® 0410 does not contain any accelerator or hardener and is used for impregnation with accelerated resins. The low bond content and the uncalcined mica paper are responsible for the high porosity of the tape which enables a quick penetration of resin through a considerable number of layers. The mechanical and electrical properties of the final insulation are defined mainly by the used resin.

Application

POROBAND® is used for continuous insulation of coils and bars of low and high voltage machines as well as interlayer insulation in dry type transformers, if vacuum pressure impregnation process is used.

Formats

Tapes and Rolls from 10mm to 1000mm wide

Storage

Minimum : 12 months at 20°C

Minimum : 24 months at 5°C

At temperatures above 30°C layers may stick together.

Properties	Test Method	Unit	Value	Value	Value	Value
Nominal Thickness	IEC 60371-2	mm	0.12	0.14	0.15	0.19
Thickness Tolerance	IEC 60371-2	mm	± 0.02	± 0.02	± 0.03	± 0.03
Total Substance	IEC 60371-2	g/m ²	158 ± 16	198 ± 20	218 ± 22	293 ± 25
Resin Content	IEC 60371-2	g/m ²	14 ± 3	14 ± 3	14 ± 3	19 ± 3
Mica Paper	IEC 60371-2	g/m ²	120 ± 10	160 ± 15	180 ± 17	250 ± 20
Glass Cloth	IEC 60371-2	g/m ²	24 ± 1	24 ± 1	24 ± 1	24 ± 1
Air Resistance (Gurley)	ISO 3687	s	≤ 600	≤ 600	≤ 800	---
Tensile Strength	IEC 60371-2	N/cm	≥ 80	≥ 80	≥ 80	≥ 80
Breakdown Voltage	IEC 60243-1	kV	1.5 + 0.5	1.5 + 0.5	1.5 + 0.5	1.5 + 0.5

ISOVOLTA AG, A Constantia Iso AG Company



Quality first solutions

www.agaus.com.au

THIS INFORMATION SHOULD NOT BE TREATED AS A SUBSTITUTE FOR SPECIFIC TECHNICAL ADVICE. ASSOCIATED GASKETS DOES NOT GIVE SUCH ADVICE & CANNOT WARRANT THE PERFORMANCE OR SUITABILITY OF PRODUCTS FOR PARTICULAR APPLICATIONS.

EPB3016R21111AGDOC8

AG MELBOURNE
 Ph: 03-9768-3113
 Fax: 03-9768-3112
 melb@agaus.com.au

AG BRISBANE
 Ph: 07-3257-1144
 Fax: 07-3257-1392
 bris@agaus.com.au

AG HEAD OFFICE
 Ph: 61 (0)2 9774-3333
 Fax: 61 (0)2 9774-1100
 sydsales@agaus.com.au

AG WOLLONGONG
 Ph: 02-4272-4800
 Fax: 02-4272-4445
 woll@agaus.com.au

AG NEWCASTLE
 Ph: 02-4967-7677
 Fax: 02-4968-9496
 new@agaus.com.au