

Cogemica® VPI - Tapes 609R 18-34 (A)

Thermal Class F - without accelerator

Composition

Cogemica VPI-Tapes 609R consist of Cogemica Muscovite Paper of superior porosity bonded with a small amount of a specially formulated epoxy to a woven glass backing.

Properties

During production, the volatile matter is being reduced to less than 0.5%, thereby allowing the tape to be dry, flexible, tack-free and highly absorbent of the VPI resins. Cogemica VPI-Tapes 609R contain no accelerators. They have been developed for catalyst containing VPI-resins.

Cogemica VPI-Tapes 609R are compatible with most known thermal class F resins used today. The properties of the completed insulation greatly depend on the quality of the impregnating resin used in the VPI process. The high tear edge strength of the VPI-tape 609 R 18-34A allows a faster and more accurate taping.

Applications

Cogemica VPI-Tapes 609R are suitable for hand and machine taping of coils and bars of high voltage Rotating Machines. These highly porous tapes with outstanding resin penetration properties are ideal not only for single bar VPI but also for the global impregnation of fully wound stators.

Availability

Tapes as from 10 mm.
Standard cores 25, 40 and 55 mm.

Storage

12 months at 20°C, 24 months at 5°C

Characteristics

Type		609R 18-34 (A)
Nominal thickness	mm	0,160 ± 0.03
Total substance	g/m ²	225 ± 15
Cogemica-Muscovite	g/m ²	180 ± 10
Glass fabric	g/m ²	34 ± 3
Bond content	g/m ²	11 ± 3
Volatile content	%	< 0,5
Stiffness	N/m	< 45
Tensile strength	N/cm	> 120
Air porosity	s/100 cm ³	< 700

Test procedure IEC 371-2 1987 Edition

Data are average results of laboratory tests conducted under standard procedures and are subject to variation. These do not constitute a warranty or representation for which we assume legal responsibility.