

Flexible Mica Tapes

General Description

Remikaflex 45.005 is a highly flexible at room temperatures, thermosetting insulating material. It is made of calcinated mica paper Remika (Muscovite), reinforced with a glass cloth and covered on both sides with a polyethyleneterephthalate (PETP) foil. The mica paper is impregnated with modified epoxy resin which remains flexible after curing.

Characteristics

Nominal thickness	mm	0.14	IEC 371-2
Tolerance	mm	± 0.02	IEC 371-2
Square weight	g.m^{-2}	192 ± 22	IEC 371-2
Mica paper	g.m^{-2}	75 ± 5	IEC 371-2
Glass cloth	g.m^{-2}	33 ± 3	IEC 371-2
PETP foil	g.m^{-2}	$2 \times (17 \pm 2)$	IEC 371-2
Bond content	g.m^{-2}	50 ± 10	IEC 371-2
Tensile strength	N/10mm	min.120	IEC 371-2
Breakdown voltage	kV	min. 7	IEC 243-1

Application

Remikaflex 45.005 is used for the insulation of the overhangs of the high voltage electric machines, working under the conditions of the thermal insulation class F (155 °C). It is also used for the insulation of copper conductors.

Storage

max. 6 months at temperature 20 °C
max. 12 months at temperature 5 °C

Delivery form

Tapes widths from 15 mm upwards
 standard widths are 15, 20, 25, 30 mm
 width tolerance up to 20 mm: ± 0.5 mm, over 20 mm: ± 1.0 mm
 inside diameter of core is 55 mm
 standard length 50 m / rolls

The values from this datasheet have informative character only.



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