

FICHA TÉCNICA

Tapete Isolante 1000X1000X4MM (50.000v)
Ref. 275000

Especificações:

- Tapete dieléctrico de borracha.
- Peso: 6.4 Kg
- Cor: Cinza
- Espessura: 4mm
- Resistência: 50000V
- Vendido ao metro.

- Este tapete não tem data de validade, visto esta característica não se altera mediante o passar do tempo. No entanto, deverá ser efectuada uma inspecção física ao tapete, pois se o tapete tiver buracos, danos ou deterioração, dever-se-á proceder à troca do mesmo.

- O armazenamento deste tapete é muito importante, deverá ser protegido do sol bem como de Raios Ultra Violetas.

Campo de aplicação:

Recomendado para trabalhos eléctricos.



Zamudio, March 1st, 2017

CA_001-60243-1

TECNALIA's electrical equipment laboratory (known as LABEIN until January 2011) states that the "Electric strength tests at power frequency" performed to the tests samples included in the following test reports:

B126-04-CU-EE-01

CE36-08-AF-02

CE36-09-AA-01E

Issued for:

TRELLEBORG IBERCAUCHO ALAVA, S.A.

Were carried out under UNE-EN 60243-1:1999 and IEC 60243-1:1998 standards and are unaffected by changes introduced by IEC 60243-1:2013 standard.

Therefore the results in the aforementioned reports are valid for IEC 60243-1:2013 standard.

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Testing, Evaluation & Conformity Services

FUNDACIÓN LABEIN-ENERGY UNIT ELECTRICAL EQUIPMENT LABORATORY

Test report

Page 1 of 6

No CE36-09-AA-01E

Electric strength test at power frequency

TEST OBJECT: Boards of insulating material
DESIGNATION: D664
REQUESTED BY:

MANUFACTURER:
STANDARD: IEC 60243-1:1998
RECEIVED DATE: October 3rd 2008
TEST DATE: December 15th 2008

The test objects have been subjected to the test required by the client, applying the procedures specified in the standard indicated before.

THIS DOCUMENT CONSISTS OF:

No of pages: 6

Elisa Ruiz
Test Chief

labein
tecnalia

Luis Martínez
Head of the Electrical Equipment Laboratory

Barakaldo, January 14th 2009

The present report refers only and exclusively to the sample tested and at the moment and conditions in which the measures were made.
The partial reproduction of the present document is categorically forbidden without the permission in writing LABEIN.

Tecnología más Confiante



INDEX

1.	DESIGNATION OF THE TEST OBJECT	3
2.	TESTS PERFORMED. STANDARD	3
3.	DESCRIPTION OF THE TEST	4
3.1.	SPECIMENS TESTED	4
3.2.	TEST METHOD	4
3.3.	CONDITIONING BEFORE THE TEST	5
3.4.	AMBIENT CONDITIONS	5
4.	RESULTS	6

1. DESIGNATION OF THE TEST OBJECT

Boards of insulating material.

The test specimens are designated according to specifications from the client:

Designation: Plain boards with impression on one side

Material: D664

Product: D664B0411

Thickness: 4 mm

2. TESTS PERFORMED. STANDARD

Electric strength test at power-frequency.

The test has been performed according to the Standard:

- IEC 60243-1:1998, "Electrical strength of insulating materials- Part 1: Tests at power frequencies".

The calculation of the uncertainties of the measurements is available.

3. DESCRIPTION OF THE TEST

3.1. Specimens tested

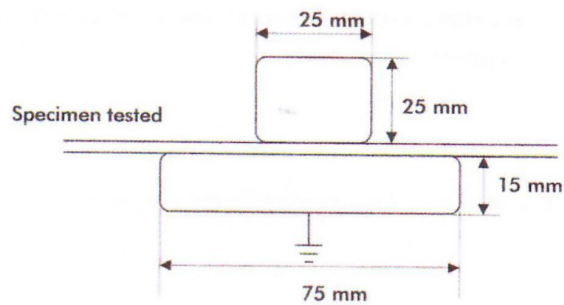
Five specimens are tested with dimensions of 250X250 mm and 4 mm thickness.

The electric strength and the breakdown voltage are determined from the median of the test results.

3.2. Test method

In order to prevent the flashover the specimens are tested immersed in transformer oil.

The voltage is applied by means of the following electrodes:



The mode of increase of the voltage is the short-time test: *rapid rise of the voltage*. A rate of rise is selected for the material under test which will cause breakdown most commonly to occur between 10 s and 20 s.

The rate of rise chosen is **5000 V/s**.

The test frequency is 50 Hz.

3.3. Conditioning before the test

The specimens are conditioned for 24 h at standard ambient atmosphere conditions. This conditioning before the test is performed since the electric strength of insulating materials varies with temperature and moisture content.

Standard ambient atmosphere conditions are:

Temperature:	$23 \pm 2 \text{ }^{\circ}\text{C}$
Relative humidity:	$50 \% \pm 5 \%$

Conditioning conditions are:

Temperature:	$23 \text{ }^{\circ}\text{C}$
Relative humidity:	50%

3.4. Ambient conditions

Oil temperature:	$16 \text{ }^{\circ}\text{C}$
Ambient air pressure:	101.8 kPa

4. RESULTS

The electric strength and breakdown voltage values are showed in the table below. The final result is determined from the median of the test results.

Specimen No	Breakdown voltage (kV)	Thickness (mm)	Electrical strength (kV/mm)
1	52.3	4.0	13.1
2	53.4	4.0	13.4
3	56.2	4.0	14.1
4	54.3	4.0	13.6
5	54.7	4.0	13.7

Result:

Breakdown voltage: **54.3 kV**
Electrical strength: **13.6 kV/mm**