

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Specification for laminated pressboard –
Part 2: Methods of test

Spécification pour cartons comprimés et contrecollés –
Partie 2: Méthodes d'essai

[IEC 60763-2:2007/AMD1:2023](https://standards.iteh.ai/)

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IEC Secretariat
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SPECIFICATION FOR LAMINATED PRESSBOARD –

Part 2: Methods of test

AMENDMENT 1

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Amendment 1 to IEC 60763-2:2007 has been prepared by IEC technical committee 15: Solid electrical insulating materials.

The text of this Amendment is based on the following documents:

Draft	Report on voting
15/1018/FDIS	15/1024/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications/.

A list of all parts in the IEC 60763 series, published under the general title *Specification for laminated pressboard*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

12 Shrinkage in air after drying

Replace the existing Clause 12 with the following:

12 Shrinkage

12.1 Test apparatus

Calliper gauge with a measuring length of 300 mm and an accuracy of $\pm 0,03$ mm.

Screw type micrometer as specified in 5.1.1.

12.2 Test pieces

Cut six test pieces measuring 30 mm × 250 mm with an accuracy of ± 1 mm, three being in the machine direction and three in the cross-machine direction. The thickness is that of the board under test except that, when the measured thickness of a test piece exceeds 20 mm, the thickness shall be reduced to (20 ± 1) mm, one face of the test piece being left intact.

12.3 Procedure

Condition the test pieces according to Clause 3. Determine the moisture content of the conditioned test piece according to Clause 11.

Weigh the test piece on a precision balance with an accuracy of 0,1 g.

Measure the length of the test piece with calliper gauge.

Measure the thickness of the test piece at three equally spaced, marked positions along the length using a micrometer as specified in Clause 5.

Dry the test pieces as described in 4.1.

After cooling to room temperature in a desiccator, the length and thickness shall be measured again. The test specimen is weighed. The length before and after drying shall be measured with an accuracy of $\pm 0,05$ mm; the thickness with an accuracy of $\pm 0,01$ mm.

12.4 Results

The moisture content in % is calculated as follows:

$$X = \frac{m_0 - m_1}{m_0} \cdot 100$$

where

X = moisture content, in %;

m_0 = mass of test specimen before drying, in g;

m_1 = mass of test specimen after drying, in g.

The shrinkage in length for both directions and the shrinkage in thickness are calculated as the difference in dimension before and after drying, taken as a percentage of the dimension before drying of the conditioned test piece.

$$S = \frac{D_0 - D_1}{D_0} \cdot 100$$

where

S = shrinkage in %;

D_0 = dimension before drying;

D_1 = dimension after drying.

Report all three values for each three directions together with the moisture content of the test pieces before drying. The central value shall be taken as the result.