IEC 62715-6-1

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# REDLINE VERSION

colour inside

## Flexible display devices –
## Part 6-1: Mechanical ~~stress~~ test methods – Deformation tests

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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# FLEXIBLE DISPLAY DEVICES –

## Part 6-1: Mechanical ~~stress~~ test methods – Deformation tests

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International Standard IEC 62715-6-1 has been prepared by IEC technical committee 110: Electronic display devices.

This second edition cancels and replaces the first edition published in 2014. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) changed the part title to differentiate it from other parts;
b) added new bending testing methods;
c) added detailed testing procedures.

The text of this International Standard is based on the following documents:

| FDIS | Report on voting |
|---|---|
| 110/951/FDIS | 110/974/RVD |

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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# FLEXIBLE DISPLAY DEVICES –

# Part 6-1: Mechanical ~~stress~~ test methods – Deformation tests

## 1 Scope

The object of this part of IEC 62715 is to define the standard test methods to evaluate the mechanical stability of flexible display modules, specifically mechanical stability against deformation, such as bending, rolling, twisting, and stretching. Display modules include displays such as LCD, e-paper, and OLED. This document takes into account, wherever possible, the mechanical test methods outlined under mechanical stress.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 62341-5:2009, *Organic light emitting diode (OLED) displays – Part 5: Environmental testing methods*

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# INTERNATIONAL STANDARD

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## Flexible display devices –
## Part 6-1: Mechanical test methods – Deformation tests

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