

REDLINE VERSION



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

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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CONTENTS

FOREWORD	4
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Standard atmospheric conditions	6
5 Evaluations—Visual evaluation of panel image quality Specimen preparation	7
5.1 General.....	7
5.2 Sample preparation.....	7
6 Mechanical stress test methods	7
6.1 General.....	7
6.2 Cyclic bending test.....	8
6.2.1 General	8
6.2.2 Purpose	8
6.2.3 Test apparatus	8
6.2.4 Test procedure	9
6.2.5 Testing conditions and reporting	9
6.3 Static bending test	12
6.3.1 General	12
6.3.2 Purpose	12
6.3.3 Test apparatus	12
6.3.4 Test procedure	12
6.3.5 Testing conditions and reporting	13
6.4 Combined bending test	12
6.4.1 General	13
6.4.2 Purpose	13
6.4.3 Test apparatus	13
6.4.4 Test procedure	14
6.4.5 Testing conditions and reporting	15
6.5 Rolling test.....	15
6.5.1 General	15
6.5.2 Purpose.....	16
6.5.3 Test apparatus	16
6.5.4 Test procedure	18
6.5.5 Testing conditions and reporting	18
6.6 Static rolling test.....	18
6.6.1 General	19
6.6.2 Purpose.....	19
6.6.3 Test apparatus	19
6.6.4 Test procedure	19
6.6.5 Testing conditions and reporting	20
6.7 Torsion test.....	20
6.7.1 General	20
6.7.2 Purpose.....	20
6.7.3 Test apparatus	20
6.7.4 Test procedure	20
6.7.5 Testing conditions and reporting	22

6.8	Tension test	20
6.8.1	General	23
6.8.2	Purpose	23
6.8.3	Test apparatus	23
6.8.4	Test procedure	23
6.8.5	Testing conditions and reporting	24
	Bibliography	25
	Figure 1 – Apparatus for diverse cyclic bending tests	11
	Figure 2 – Apparatus for static bending test	12
	Figure 3 – Apparatus for combined bending tests consisting of the cyclic bending test and static bending test	15
	Figure 4 – Apparatus for rolling test	17
	Figure 5 – Apparatus for diverse torsion tests	22
	Figure 6 – Apparatus for tension test	24

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FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as “IEC Publication(s)”). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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This Redline version provides you with a quick and easy way to compare all the changes between this standard and its previous edition. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.

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.

A list of all the parts in the IEC 62715 series, under the general title *Flexible display devices*, 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 "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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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*

INTERNATIONAL STANDARD



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



CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references	6
3 Terms and definitions	6
4 Standard atmospheric conditions	6
5 Specimen preparation.....	7
5.1 General.....	7
5.2 Sample preparation.....	7
6 Mechanical stress test methods.....	7
6.1 General.....	7
6.2 Cyclic bending test.....	8
6.2.1 General	8
6.2.2 Purpose.....	8
6.2.3 Test apparatus	8
6.2.4 Test procedure	9
6.2.5 Testing conditions and reporting	9
6.3 Static bending test	11
6.3.1 General	11
6.3.2 Purpose.....	11
6.3.3 Test apparatus	11
6.3.4 Test procedure	11
6.3.5 Testing conditions and reporting	12
6.4 Combined bending test	12
6.4.1 General	12
6.4.2 Purpose.....	12
6.4.3 Test apparatus	12
6.4.4 Test procedure	12
6.4.5 Testing conditions and reporting	13
6.5 Rolling test.....	14
6.5.1 General	14
6.5.2 Purpose.....	14
6.5.3 Test apparatus	14
6.5.4 Test procedure	15
6.5.5 Testing conditions and reporting	16
6.6 Static rolling test.....	16
6.6.1 General	16
6.6.2 Purpose.....	16
6.6.3 Test apparatus	16
6.6.4 Test procedure	17
6.6.5 Testing conditions and reporting	17
6.7 Torsion test.....	18
6.7.1 General	18
6.7.2 Purpose.....	18
6.7.3 Test apparatus	18
6.7.4 Test procedure	18
6.7.5 Testing conditions and reporting	19

6.8	Tension test	20
6.8.1	General	20
6.8.2	Purpose	20
6.8.3	Test apparatus	20
6.8.4	Test procedure	20
6.8.5	Testing conditions and reporting	21
	Bibliography	22
	Figure 1 – Apparatus for diverse cyclic bending tests	10
	Figure 2 – Apparatus for static bending test	11
	Figure 3 – Apparatus for combined bending tests consisting of the cyclic bending test and static bending test	13
	Figure 4 – Apparatus for rolling test	15
	Figure 5 – Apparatus for diverse torsion tests	19
	Figure 6 – Apparatus for tension test	21

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