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Flexible display devices –
Part 6-3: Mechanical test methods – Impact and hardness tests

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FLEXIBLE DISPLAY DEVICES –

Part 6-3: Mechanical test methods – Impact and hardness tests

FOREWORD

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International Standard IEC 62715-6-3 has been prepared by IEC technical committee 110: Electronic displays.

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

FDIS	Report on voting
110/1225/FDIS	110/1247/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 parts in the IEC 62715 series, published 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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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FLEXIBLE DISPLAY DEVICES –

Part 6-3: Mechanical test methods – Impact and hardness tests

1 Scope

The object of this part of IEC 62715 is to define the standard test methods to evaluate the mechanical robustness of flexible display modules, especially mechanical robustness regarding impact and hardness, which include displays such as liquid crystal displays (LCDs), e-paper, and organic light emitting diode (OLED) displays, against external forces applied to a panel.

2 Normative references

The following documents are referred to in the text in a way that some or all of their content constitutes requirements for 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 displays – Part 5: Environmental testing methods*

ISO 19252, *Plastics: Determination of scratch properties*

ASTM D7207-13, *Standard Test Method for Evaluation of Scratch Resistance of Polymeric Coatings and Plastics Using an Instrumented Scratch Machine*