

## DIN EN ISO 179-1



ICS 83.080.01

Supersedes  
DIN EN ISO 179-1:2006-05

**Plastics –  
Determination of Charpy impact properties –  
Part 1: Non-instrumented impact test (ISO 179-1:2010)  
English translation of DIN EN ISO 179-1:2010-11**

Kunststoffe –  
Bestimmung der Charpy-Schlageigenschaften –  
Teil 1: Nicht instrumentierte Schlagzähigkeitsprüfung (ISO 179-1:2010)  
Englische Übersetzung von DIN EN ISO 179-1:2010-11

Plastiques –  
Détermination des caractéristiques au choc Charpy –  
Partie 1: Essai de choc non instrumenté (ISO 179-1:2010)  
Traduction anglaise de DIN EN ISO 179-1:2010-11

Document comprises 29 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.



*A comma is used as the decimal marker.*

## National foreword

This standard has been prepared by Technical Committee ISO/TC 61 “Plastics” (Secretariat: ANSI, USA) in collaboration with Technical Committee CEN/TC 249 “Plastics” (Secretariat: NBN, Belgium).

The responsible German body involved in its preparation was the *Normenausschuss Kunststoffe* (Plastics Standards Committee), Working Committee NA 054-01-02 AA *Mechanische Eigenschaften und Probekörperherstellung*.

The DIN Standards corresponding to the International Standards referred to in clause 2 of this document are as follows:

|             |                    |
|-------------|--------------------|
| ISO 180     | DIN EN ISO 180     |
| ISO 291     | DIN EN ISO 291     |
| ISO 293     | DIN EN ISO 293     |
| ISO 294-1   | DIN EN ISO 294-1   |
| ISO 294-3   | DIN EN ISO 294-3   |
| ISO 295     | DIN EN ISO 295     |
| ISO 2818    | DIN EN ISO 2818    |
| ISO 291     | DIN EN ISO 291     |
| ISO 2818    | DIN EN ISO 2818    |
| ISO 3167    | DIN EN ISO 3167    |
| ISO 10724-1 | DIN EN ISO 10724-1 |
| ISO 13802   | DIN EN ISO 13802   |

DIN EN ISO 179 consists of the following parts, under the general title *Plastics — Determination of Charpy impact properties*:

- *Part 1: Non-instrumented impact test*
- *Part 2: Instrumented impact test*

## Amendments

This standard differs from DIN EN ISO 179-1:2006-05 as follows:

- a) normative references in Clause 2 have been updated; they are now undated.
- b) a new Subclause 6.5 has been added, defining the span between the specimen supports and indicating a convenient position at which it can be measured;
- c) informative Annex C “Determining the notch tip radius using a C CCD microscope” has been added;
- d) the standard has been editorially revised.

## Previous editions

DIN 53453: 1943-11, 1952-02, 1954-07, 1958-05, 1965-10, 1975-05

DIN EN ISO 179: 1997-03

DIN EN ISO 179-1: 2001-06, 2006-05

## National Annex NA (informative)

### Bibliography

DIN EN ISO 180, *Plastics — Determination of Izod impact strength*

DIN EN ISO 291, *Plastics — Standard atmospheres for conditioning and testing*

DIN EN ISO 293, *Plastics — Compression moulding of test specimens of thermoplastic materials*

DIN EN ISO 294-1, *Plastics — Injection moulding of test specimens of thermoplastic materials — Part 1: General principles, and moulding of multipurpose and bar test specimens*

DIN EN ISO 294-3, *Plastics — Injection moulding of test specimens of thermoplastic materials — Part 3: Small plates*

DIN EN ISO 295, *Plastics — Compression moulding of test specimens of thermosetting materials*

DIN EN ISO 2818, *Plastics — Preparation of test specimens by machining*

DIN EN ISO 3167, *Plastics — Multipurpose test specimens*

DIN EN ISO 10724-1, *Plastics — Injection moulding of test specimens of thermosetting powder moulding compounds (PMCs) — Part 1: General principles and moulding of multipurpose test specimens*

DIN EN ISO 13802, *Plastics — Verification of pendulum impact-testing machines — Charpy, Izod and tensile impact-testing*

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