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Draft Indian Standard

**PLASTICS — VERIFICATION OF PENDULUM IMPACT-TESTING
MACHINES — CHARPY, IZOD AND TENSILE IMPACT-TESTING**

(ICS 83.200)

Methods of Sampling and Test for
Plastics Sectional Committee, PCD 27

Last date for receipt of
comment is **20 May 2024**

NATIONAL FOREWORD

(Formal clauses will be added later)

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standard for which Indian Standard also exist. The corresponding Indian Standard, which is to be substituted in their respective places, is listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 179-1 Plastics — Determination of Charpy impact properties — Part 1: Non-instrumented impact test	PCD/27/23184 Plastics — Methods of testing: Part 5 Mechanical properties, Section 5 Determination of charpy impact properties, Subsec 1 Non- Instrumented impact test [revision of IS 13360 (Part 5/Sec 5)]	Identical

ISO 179-2 Plastics — Determination of Charpy impact properties — Part 2: Instrumented impact test	PCD/27/23186 Plastics — Methods of testing: Part 5 Mechanical properties, Section 5 Determination of charpy impact properties, Subsec 2 Instrumented impact test [<i>revision of IS 13360 (Part 5/Sec 5)</i>]	Identical
ISO 180, Plastics — Determination of Izod impact strength	IS 13360 (Part 5/Sec 4) : 2021 / ISO 180 : 2019 Plastics — Methods of testing: Part 5 Mechanical properties, Section 4 Determination of Izod impact strength (<i>second revision</i>)	Identical
ISO 8256 Plastics — Determination of tensile-impact strength	IS 13360 (Part 5/Sec 27) : 2022 / ISO 8256 : 2019 Plastics — Methods of testing: Part 5 Mechanical properties, Section 27 Determination of tensile-impact strength	Identical

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revision*)’.

NOTE — The technical content of this document has not been enclosed as this is identical with the ISO Standard. For details, please refer to ISO 13802 : 2015 or kindly contact:

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