

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

PLASTICS — METHODS OF TESTING
PART 5 MECHANICAL PROPERTIES
SECTION XX DETERMINATION OF TENSILE PROPERTIES
AT HIGH STRAIN RATES

(ICS 83.080.10)

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 527-1:1993, Plastics — Determination of tensile properties — Part 1: General principles	IS 13360 (Part 5/Sec 1) : 2021/ ISO 527-1: 2019 — Plastics — Methods of testing: Part 5 Mechanical properties, Section 1 Determination of tensile properties — General requirements (<i>second revision</i>)	Identical
ISO 527-2, Plastics — Determination of tensile properties — Part 2: Test	IS 13360 (Part 5/Sec 2) : 2017 / ISO 527-2 : 2012 — Plastics — Methods of testing: Part 5 mechanical properties, section 2 determination of tensile properties	Identical

conditions for moulding and extrusion plastics	— Test conditions for moulding and extrusion plastics (<i>first revision</i>)	
ISO 2818, Plastics — Preparation of test specimens by machining	IS 13360 (Part 2/Sec 4) : 2021/ISO 2818: 2018 — Plastics — Methods of testing: Part 2 Sampling and preparation of test specimens, Section 4 Preparation of test specimens by machining (<i>second revision</i>)	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 corresponding ISO Standard. For details, please refer to ISO 18872 : 2007 or kindly contact:

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