

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

प्लास्टिक — समुद्री एक्सपोजर की पद्यतियाँ

Draft Indian Standard

PLASTICS — METHODS FOR MARINE EXPOSURE

(ICS 83.080.01)

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

Last date for receipt of comment is
01 July 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:

- Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- 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 291, Plastics — Standard atmospheres for conditioning and testing	IS 196 : 1966 — Atmospheric conditions for testing (<i>revised</i>)	Not Equivalent
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

ISO 4582, Plastics — Determination of changes in colour and variations in properties after exposure to glass-filtered solar radiation, natural weathering or laboratory radiation sources	IS 13360 (Part 8/Sec 13) : 2021/ ISO 4582 : 2017 — Plastics — Methods of testing: Part 8 Permanence chemical properties, Section 13 Determination of changes in colour and variations in properties after exposure to daylight under glass natural weathering or laboratory light sources (<i>second revision</i>)	Identical
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The technical committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 877-1	Plastics — Methods of exposure to solar radiation — Part 1: General guidance
ISO 877-2	Plastics — Methods of exposure to solar radiation — Part 2: Direct weathering and exposure behind window glass
ISO 877-3	Plastics — Methods of exposure to solar radiation — Part 3: Intensified weathering using concentrated solar radiation

For tropical countries like India, the standard temperature and the relative humidity shall be taken as 27 ± 2 °C and 65 ± 5 percent respectively.

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 15314 : 2018 or kindly contact:

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