**Doc: PCD 27 (25104) F**

***भारतीय मानक***

***Indian Standard***

 **IS 13360 (Part 3/Sec XX) :** **2024**

 **ISO 16012 : 2015**

**प्लास्टिक — परीक्षण पद्धतियाँ**

**भाग 3 भौतिक और आयामी गुणधर्म**

**अनुभाग XX परीक्षण नमूनों के रैखिक आयामों का निर्धारण**

**Plastics — Methods of Testing**

**Part 3 Physical and Dimensional Properties**

**Section XX Determination of Linear Dimensions of Test Specimens**

 ICS 83.080.01

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भारतीय मानक ब्यूरो

BUREAU OF INDIAN STANDARDS

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**November 2024 Price Group X**

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

NATIONAL FOREWORD

This Indian Standard which is identical with ISO 16012 : 2015 ‘Plastics — Determination of linear dimensions of test specimens’ issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standards on the recommendations of the Methods of Sampling and Test for Plastics Sectional Committee and approval of the Petroleum, Coals and Related Products Division Council.

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 are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

|  |  |  |
| --- | --- | --- |
| *International Standard* | *Corresponding Indian Standard* | *Degree of Equivalence* |
| [ISO 3650](https://www.iso.org/obp/ui/en/#iso:std:iso:3650:en), Geometrical Product Specifications (GPS) — Length standards — Gauge blocks | IS 2984 : 2003 / ISO 3650 : 1998 Slip gauges — Specification [ISO title : Geometrical product specifications (GPS) — Length standards : Gauge blocks] (*second revision*) | Identical |
| [ISO 13102](https://www.iso.org/obp/ui/en/#iso:std:iso:13102:en), Geometrical product specifications (GPS) — Dimensional measuring equipment: Electronic digital-indicator gauge — Design and metrological characteristics | IS 16748 : 2018 /ISO 13102 : 2012 Geometrical product specifications (GPS) — Dimensional measuring equipment electronic digital-indicator gauge — Design and metrological characteristics | Identical |
| [ISO 13385-1](https://www.iso.org/obp/ui/en/#iso:std:iso:13385:-1:en), Geometrical product specifications (GPS) — Dimensional measuring equipment — Part 1: Callipers; Design and metrological characteristics | IS 16491 (Part 1) : 2024 /ISO 13385-1 : 2019 Geometrical product specifications (GPS) — Dimensional measuring equipment: Part 1 Design and metrological characteristics of callipers (*first revision*) | Identical |

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:

|  |  |
| --- | --- |
| *International Standard* | *Title* |
| ISO 291 | Plastics — Standard atmospheres for conditioning and testing |
| [ISO 463](https://www.iso.org/obp/ui/en/#iso:std:iso:463:en) | Geometrical product specifications (GPS) — Dimensional measuring equipment — Design and metrological characteristics of mechanical dial gauges |
| ISO 3611 | Geometrical product specifications (GPS) — Dimensional measuring equipment: Micrometers for external measurements — Design and metrological characteristics |
| [ISO 9493](https://www.iso.org/obp/ui/en/#iso:std:iso:9493:en) | Geometrical product specifications (GPS) — Dimensional measuring equipment: Dial test indicators (lever type) — Design and metrological characteristics |
| [ISO 20753](https://www.iso.org/obp/ui/en/#iso:std:iso:20753:en) | Plastics — Test specimens |

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*)’.