**Doc: PCD 27 (25107) F**

***भारतीय मानक***

***Indian Standard***

 **IS 13360 (Part 5/Sec XX) : 2024**

 **ISO 19252 : 2008**

**प्लास्टिक — परीक्षण पद्धतियाँ**

**भाग 5 यांत्रिक गुणधर्म**

**उपभाग XX स्क्रैच गुणों का निर्धारण**

**Plastics — Methods of Testing**

**Part 5 Mechanical Properties**

**Sec XX Determination of Scratch Properties**

 ICS 83.080.01

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भारतीय मानक ब्यूरो

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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 19252 : 2008 ‘Plastics — Determination of scratch properties’ 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 294-1](https://www.iso.org/obp/ui/en/#iso:std:iso:294:-1:en), Plastics — Injection moulding of test specimens of thermoplastic materials — Part 1: General principles, and moulding of multipurpose and bar test specimens | IS 13360 (Part 2/Sec 3) : 2019 /ISO 294-1 : 2017 Plastics — Methods of testing : Part 2 Sampling and preparation of test specimens, Section 3 Injection moulding of test specimens of thermoplastic materials — General principles and moulding of multipurpose and bar test specimens (*first revision*) | Identical |
| [ISO 3167 : 2002](https://www.iso.org/obp/ui/en/#iso:std:iso:3167:ed-4:en), Plastics — Multipurpose test specimens | IS 13360 (Part 2/Sec 5) : 2018 /ISO 3167 : 2014 Plastics — Methods of testing : Part 2 Sampling and preparation of test specimens, Section 5 Multipurpose test specimens (*second revision*) | Identical |
| [ISO 10724-1:1998](https://www.iso.org/obp/ui/en/#iso:std:iso:10724:-1:ed-1:en), Plastics — Injection moulding of test specimens of thermosetting powder moulding compounds (PMCs) — Part 1: General principles and moulding of multipurpose test specimens | IS 13360 (Part 2/Sec 10) : 2006 / ISO 10724-1 : 1998 Plastics — Methods of testing: Part 2 Sampling and preparation of test specimens, Section 10 Injection moulding of test specimens of thermosetting powder moulding compounds (PMCs) — General principles and moulding of multipurpose test specimens | Identical |

The technical committee has reviewed the provisions of the following International Standards referred in these adopted standards and has decided that it is acceptable for use in conjunction with this standard:

|  |  |
| --- | --- |
| *International Standard* | *Title* |
| ISO 291 | Plastics — Standard atmospheres for conditioning and testing |

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*)’.