

**BUREAU OF INDIAN STANDARDS**

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भारतीय मानक मसौदा

प्लास्टिक — परीक्षण पद्धति

भाग 5 यांत्रिक गुणधर्म

अनुभाग XX गत्यात्मक यांत्रिक गुणधर्म का निर्धारण

उपभाग 3 फ्लेक्सुरल कंपन — अनुनाद-वक्र विधि

*Draft Indian Standard*

**PLASTICS — METHODS OF TESTING**

**PART 5 MECHANICAL PROPERTIES**

**SEC XX DETERMINATION OF DYNAMIC MECHANICAL PROPERTIES**

**SUBSEC 3 FLEXURAL VIBRATION — RESONANCE-CURVE METHOD**

(ICS 83.080.01)

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

Last date for receipt of comment is  
**27 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 Standards, which is to be substituted in their places, is listed below along with their degree of equivalence for the edition indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>

ISO 1183-1, Plastics — Methods for determining the density of non-cellular plastics — Part 1: Immersion method, liquid pycnometer method and titration method	IS 13360 (Part 3/Sec 10) : 2021 / ISO 1183-1: 2019 Plastics — Methods of testing : Part 3 Physical and dimensional properties, Section 10 Determination of density of non-cellular plastics immersion method liquid pycnometer method and titration method ( <i>first revision</i> )	Identical
ISO 1183-2, Plastics — Methods for determining the density of non-cellular plastics — Part 2: Density gradient column method	IS 13360 (Part 3/Sec 11) : 2021 / ISO 1183-2: 2019 Plastics — Methods of testing : Part 3 Physical and dimensional properties, Section 11 Determination of density of non-cellular plastics density gradient column method ( <i>first revision</i> )	Identical
ISO 1183-3, Plastics — Methods for determining the density of non-cellular plastics — Part 3: Gas pycnometer method	IS 13360 (Part 3/Sec 12) : 2016 / ISO 1183-3 : 1999 Plastics — Methods of testing : Part 3 Physical and dimensional properties, Section 12 determination of density of non-cellular plastics - Gas pycnometer method	Identical
ISO 6721-1 Plastics — Determination of dynamic mechanical properties — Part 2: General principles	PCD/27/25745 Plastics — Methods of testing : Part 5 Mechanical properties, Sec XX Determination of dynamic mechanical properties Subsec 1 General principles ( <i>Under WC</i> ) [IS 13360 (Part 5/Sec XX/Subsec 1)]	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 6721-3 : 2021 or kindly contact:

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