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Draft Indian Standard

PLASTICS — METHODS OF TESTING
PART 3 PHYSICAL AND DIMENSIONAL PROPERTIES
SECTION 4 DETERMINATION OF BULK FACTOR OF MOULDING MATERIALS
(First Revision of IS 13360 (Part 3/Sec 4))

(ICS No. 83.080.01)

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

Last date for receipt of
comment is **07 October 2023**

NATIONAL FOREWORD

(Formal clauses to be added later)

This Indian Standard was originally published in 1995 which was identical with ISO 171 : 1980. This revision has been undertaken to align the standard with the latest version of ISO 171 : 2022.

The major changes in this revision are as follows:

- the normative references have been updated;
- the definition of the bulk factor has been revised;
- the principle of the method has been added; and
- the document has been editorially revised.

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 Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard/ Other Publication</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 60, Plastics — Determination of apparent density of material that can be poured from a specified funnel	IS 13360 (Part 3/Sec 2) : 1997 / ISO 60 : 1977 Plastics — Methods of testing : Part 3 Physical and dimensional properties, Section 2 Determination of apparent density of material that can be poured from a specified funnel	Identical
ISO 61, Plastics — Determination of apparent density of moulding material that cannot be poured from a specified funnel	IS 13360 (Part 3/Sec 3) : 1997 / ISO 61:1976 Plastics — Methods of testing : Part 3 Physical and dimensional properties, Section 3 Determination of apparent density	Identical

	of moulding material that cannot be poured from a specified funnel	
ISO 291, Plastics — Standard atmospheres for conditioning and testing	IS 196 : 1966 Atmospheric conditions for testing (<i>revised</i>)	Not equivalent
ISO 1183 (all parts), Plastics — Methods for determining the density of non-cellular plastics	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 pyknometer method and titration method (<i>first revision</i>)	Identical
	IS 13360 (Part 3 / Sec 10) : 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
	IS 13360 (Part 3 / Sec 10) : 2021 / ISO 1183-3: 2019 Plastics — Methods of testing : Part 3 Physical and dimensional Properties, Section 12 Determination of density of non - Cellular plastics — Gas pyknometer method	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 171 : 2022 or kindly contact:

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