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Draft Indian Standard

PLASTICS — METHODS OF TESTING
PART 11 SPECIAL PROPERTIES
SECTION 9 DETERMINATION OF THE VISCOSITY OF POLYMERS IN DILUTE SOLUTION
USING CAPILLARY VISCOMETERS — GENERAL PRINCIPLES
[Second Revision of IS 13360 (Part 11/Sec 9)]

(ICS 83.080.01)

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

Last date for receipt of comment is
7 October 2023

NATIONAL FOREWORD

(Formal clauses will be added later)

This standard was originally published in 2004 and subsequently revised in 2018. This revision has been undertaken to align with the latest version of ISO 1628-1 : 2021. The major changes in this revision are as follows:

- ISO 3205 (withdrawn) has been deleted from Clause 2;
- the figure keys have been revised;
- nominal viscometer constant has been added to Table 1;

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 standards, references appear to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are 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 80000-1 Quantities and units — Part 1: General	IS/ISO 80000-1 : 2009 Quantities and units: Part 1 General	Identical
ISO 80000-4 Quantities and units — Part 4: Mechanics	IS/ISO 80000-4 : 2019 Quantities and units: Part 4 Mechanics	Identical

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

<i>International Standard</i>	<i>Title</i>
ISO 3105	Glass capillary kinematic viscometers — specifications and operating instructions

For tropical countries like India, the standard temperature and the relative humidity shall be taken as $27 \pm 2^\circ\text{C}$ and 65 ± 5 percent respectively.

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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 amendment to ISO Standard. For details, please refer to ISO 1628-1 : 2021 or kindly contact:

Meenal Passi

Sc – F & Head (PCD)

Petroleum & Coal related products Department (PCD)

Bureau of Indian Standards

9, B.S. Zafar Marg,

New Delhi-110002

Email: pcd@bis.gov.in

Telephone : 011-23235432