

**BUREAU OF INDIAN STANDARDS**  
DRAFT FOR COMMENTS ONLY  
(Not to be reproduced without permission of BIS  
or used as an Indian Standard)

*Draft Indian Standard*

**PLASTICS — METHODS OF TESTING**  
**PART 9 OPTICAL PROPERTIES**  
**SECTION 9 DETERMINATION OF YELLOW INDEX AND CHANGE IN YELLOWNESS INDEX**  
**(First Revision of IS 13360 (Part 9/Sec 9))**

(ICS No. 83.080.01)

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

Last date for receipt of  
comment is **01 October 2023**

**NATIONAL FOREWORD**

(Formal clauses to be added later)

This Indian Standard was originally published in 2001. This revision has been undertaken to align the standard with the latest version of ISO 17223 : 2014.

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 the following International Standard for which Indian Standard also exists. The corresponding Indian Standard which is to be substituted in its place is listed below along with its degree of equivalence for the edition indicated.

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 291, Plastics — Standard atmospheres for conditioning and testing	IS 196 : 1966 Atmospheric conditions for testing ( <i>Revised</i> )	Not Equivalent

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:

<i>International Standard</i>	<i>Title</i>
ISO 1043-1	Plastics — Symbols and abbreviated terms — Part 1: Basic polymers and their special characteristics
ISO 5725-2	Accuracy (trueness and precision) of measurement methods and results — Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method
ASTM E313	Standard Practice for Calculating Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates
CIE 15	Colorimetry

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 17223 : 2014 or kindly contact:

**Smt 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](mailto:pcd@bis.gov.in)

Telephone : 011-23235432