

BUREAU OF INDIAN STANDARDS
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Draft Indian Standard

**PLASTICS — QUANTITATIVE EVALUATION OF SCRATCH-INDUCED
DAMAGE AND SCRATCH VISIBILITY**

(ICS 83.080.01)

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

Last date for receipt of comment is
20 May 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:

- 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 is 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 291, Plastics — Standard atmospheres for conditioning and testing	IS 196:1966 (Atmospheric conditions for testing (Revised))	Not Equivalent
ISO 294-1, Plastics — Injection moulding of test specimens of thermoplastic materials — Part 1: General principles, and moulding of	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	Identical

multipurpose and bar test specimens	specimens of thermoplastic materials — General principles and moulding of multipurpose and bar test specimens (<i>first revision</i>)	
ISO 294-2, Plastics — Injection moulding of test specimens of thermoplastic materials — Part 2: Small tensile bars	IS 13360 (Part 2/Sec 9) : 2021 / ISO 294-2 : 2018 Plastics — Methods of testing : Part 2 Sampling and preparation of test specimens, Section 9 Injection moulding of test specimens of thermoplastic materials — Small tensile bars (<i>first revision</i>)	Identical
ISO 294-3, Plastics — Injection moulding of test specimens of thermoplastic materials — Part 3: Small plates	IS 13360 (Part 2/Sec 7) : 2021 / ISO 294-3 : 2020 Plastics — Methods of testing : Part 2 Sampling and preparation of test specimens, Section 7 Injection moulding of test specimens of thermoplastic materials — Small plates (<i>third revision</i>)	Identical
ISO 6508-1, Metallic materials — Rockwell hardness test — Part 1: Test method	IS 1586 (Part 1) : 2018 / ISO 6508-1 : 2016 Metallic materials — Rockwell hardness test : Part 1 Test method (<i>fifth revision</i>)	Identical

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 19252	Plastics — Determination of scratch properties
ISO 20753	Plastics — Test specimens

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.

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 17541 : 2014 or kindly contact:

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IS XXXX : YYYY
ISO 17541 : 2014
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