

**BUREAU OF INDIAN STANDARDS**

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*Draft Indian Standard*

**METHODS OF TEST FOR VULCANIZED RUBBERS PART 20 RESISTANCE TO  
OZONE CRACKING — STATIC STRAIN TEST**

[*Third Revision of IS 3400 (Part 20)*]

(ICS 83.060)

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Methods of Test for Rubber and Rubber Products  
Sectional Committee, PCD 29

Last date for comment  
12 April 2024

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NATIONAL FOREWORD

(*Formal clauses will be added later*)

This standard was first published in 1977 and subsequently revised in 1994 and 2018.

The third revision has been undertaken to align it with the latest version of ISO 1431-1 : 2022 in dual numbering system to make pace with latest developments that have taken place at international level.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions and terminologies 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</i>	<i>Corresponding Standard</i>	<i>Indian</i>	<i>Degree of Equivalence</i>
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ISO 1382 Rubber — Vocabulary	IS 7503 : 2018 / ISO 1382 : 2012 Glossary of terms used in rubber industry	Identical
ISO 1431-3 Rubber, vulcanized or thermoplastic — Resistance to ozone cracking — Part 3: Reference and alternative methods for determining the ozone concentration in laboratory test chambers	IS 3400 (Part 27) : 2019 / ISO 1431-3 : 2017 Methods of test for vulcanized rubbers Part 27 Resistance to ozone cracking — Reference and alternative methods for determining the ozone concentration in laboratory test chambers	Identical
ISO 23529 Rubber — General procedures for preparing and conditioning test pieces for physical test methods	IS 13867 : 2021/ISO 23529 : 2016 Rubber — General procedures for preparing and conditioning test pieces for physical test methods ( <i>first revision</i> )	Identical

The technical committee has reviewed the provisions of the following International Standard 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 18899	Rubber — Guide to the calibration of test equipment

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 the document is not available on website. For details, please refer the corresponding ISO 1431-1 : 2022 or kindly contact:

Ms. Meenal Passi  
 Scientist ‘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, pcd29@bis.gov.in  
 Telephone: 011-23235432