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IS 14788: xxxx
ISO 2322:2023
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BUREAU OF INDIAN STANDARDS

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Draft Indian Standard

STYRENE-BUTADIENE RUBBER (SBR) — EMULSION AND SOLUTION-POLYMERIZED TYPES — EVALUATION PROCEDURES

(*Second Revision* of IS 14788)

(ICS 83.060)

Methods of Test for Rubber and Rubber Products Sectional Committee, PCD 29	Last date for comment 12 April 2024

NATIONAL FOREWORD
(*Formal clauses will be added later*)

This standard was first published in 2000 and subsequently revised in 2018.

The second revision has been undertaken to align it with the latest version of ISO 2322 : 2023 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:

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*

ISO 37 Rubber vulcanized or thermoplastic — Determination of tensile stress-strain properties	IS 3400 (Part 1) : 2021 / ISO 37 : 2017 Methods of test for vulcanized rubber : Part 1 Determination of tensile stress-strain properties (*fourth revision*)	Identical
ISO 289-1 Rubber, unvulcanized — Determinations using a shearing-disc viscometer — Part 1: Determination of Mooney viscosity	IS 3660 (Part 7) : 2013 / ISO 289-1 : 2005 Methods of test for natural rubber Part 7 Determination of Mooney viscosity [NR : 8] (*third revision*)	Identical
ISO 1795 Rubber, raw natural and raw synthetic — Sampling and further preparative procedures	IS 5599 : 1999 Rubber - raw, natural and synthetic — Methods for sampling and sample preparation (*first revision*)	Non Equivalent
ISO 2393 Rubber test mixes — Preparation, mixing and vulcanization — Equipment and procedures	IS 3660 (Part 8) : 2023 / ISO 2393 : 2014 Methods of test for natural rubber Part 8 Rubber test mixes — Preparation, mixing and vulcanization — Equipment and procedures (*third revision*)	Identical
ISO 6502-2 Rubber — Measurement of vulcanization characteristics using curemeters — Part 2: Oscillating disc curemeter	PCD 29(22798) Rubber — measurement of vulcanization characteristics using curemeters — Part 2 Oscillating disc curemeter (*under WC*)	Identical
ISO 6502-3 Rubber — Measurement of vulcanization characteristics using curemeters — Part 3: Rotorless curemeter	PCD 29(22799) Rubber — measurement of vulcanization characteristics using curemeters — Part 3 Rotorless curemeter (*under WC*)	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 (*first revision*)	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:

International Standard	*Title*
ISO 247-1	Rubber — Determination of ash — Part 1: Combustion method
ISO 247-2	Rubber — Determination of ash — Part 2: Thermogravimetric analysis (TGA)
ISO 248-1	Rubber, raw — Determination of volatile-matter content — Part 1: Hot-mill method and oven method
ISO 248-2	Rubber, raw — Determination of volatile-matter content — Part 2: Thermogravimetric methods using an automatic analyser with an infrared drying unit

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 2322 : 2023 or kindly contact:

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