

BUREAU OF INDIAN STANDARDS
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DRAFT

AMENDMENT NO. 2

TO

IS 13893: 1994 POLYURETHANE SOLE, SEMIRIGID – SPECIFICATION

संशोधन – संख्या 2 का मसौदा

पोलीयूरीथेन की तला, अर्धसख्त - विशिष्टि

Footwears Sectional Committee, CHD 19

Last Date of Comments: 18.07.2023

(Cover Page, Title) – Substitute the title with the following:

‘IS 13893 : 1994 POLYURETHANE UNIT OUTSOLE – SPECIFICATION’

✓ (Page 1, Clause 1.1) – Substitute the following for the existing:

‘This standard prescribes the requirements and methods of sampling and test for polyurethane unit outsole.’

✓ (Page 1, Clause 1.2) – Delete

(Page 1, Clause 4.2) – Substitute the following for the existing:

2/3 * ‘The thickness of the soles shall be not less than ^{3mm} 4mm, at any portion of the sole, when measured in accordance with the method prescribed in IS (15298 Part 1) : 2015.’

(Page 1, Clause 4.3) – Substitute the following for the existing:

✓ ‘Unless otherwise agreed to between the purchaser and the supplier, the polyurethane soles shall be tested for the requirements prescribed in 4.3.1 within three months from the date of receipt of the product.’

(Page 1, Table 1) – Substitute the following for the existing:

Table 1 Physical Requirements for Polyurethane Unit Outsole
(Clause 4.3.1)

✓ Sole thickness Min. 3mm
↳ means need further Amendment
↳ Mark means Amendment OK for us



Rakesh

SI No.	Characteristic	Requirement	Method of Test, Ref to
(1)	(2)	(3)	(4)
i)	Density, g/cm ³ Max	1.2	Annex C of IS 10702 : 2023
ii)	Hardness, degree Shore A, Min	40	IS 12240 (Part 2) : 1988
iii)	Abrasion resistance at applied force 10 N (Volume loss), mm ³ , Max	350	IS 3400 (Part 3)/ISO4649
iv)	Flexing resistance after 30000 cycles, Bennewart method, cut growth, Max	6 mm	Annex D of IS 15844 (Part 1) : 2023
v)	Hydrolysis resistance, cut growth after 150 000 flexes, in mm, Max	6.0	IS 15298 (Part 1)

Should be Count in special Requirement

(Page 1, Clause 4.3.2) – Delete

(Page 1, Clause 5.1, second line) – Substitute the following for the existing:

‘Each package may contain soles of same size only and may be marked with the name of the item, size, manufacturer’s name or its recognized trade-mark, if any, and batch/code number.’

(Page 1, Clause 5.2) – Substitute the following for the existing:

‘Each sole shall be marked legibly and indelibly with the following:

- a) Identification of the source of manufacturer or brand name;
- b) Size of the footwear for which it is intended

(Page 1, Clause 5.2.1.1) – Substitute the following for the existing:

‘The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the Bureau of Indian Standards Act, 2016 and the Rules and Regulations framed thereunder, and the products may be marked with the standard mark.’

(Page 2, Annex A) – Substitute the following for the existing:

IS No	Title
IS 2050 : 1991	Glossary of terms relating to footwear (first revision)
IS 3400 (Part 3) : 2021	Methods of Test for Vulcanized Rubbers Part 3 Abrasion Resistance using a Rotating Cylindrical Drum Device (Third Revision)
IS 4905 : 1968	Method of random sampling
IS 10702 : 2023	Hawai Chappal – Specification
IS 12240 (Part 2) : 1988	Method of test for polyvinyl chloride boots Part 2 Determination of durometer hardness Shore A
IS 15298 (Part 1) : 2015	Personal Protective Equipment Part I Test Methods for Footwear (Second Revision)
IS 15844 (Part 1) : 2023	Sports Footwear Part I General Purpose (First Revision)

(Page 2, Annex B) – Delete

→ Means need further Amendment.

✓ Means Amendment ok for us

Rakesh

