

DIN ISO 48-2



ICS 83.060

Supersedes
DIN ISO 48:2016-09

**Rubber, vulcanized or thermoplastic –
Determination of hardness –
Part 2: Hardness between 10 IRHD and 100 IRHD (ISO 48-2:2018),
English translation of DIN ISO 48-2:2021-02**

Elastomere oder thermoplastische Elastomere –
Bestimmung der Härte –
Teil 2: Härte zwischen 10 IRHD und 100 IRHD (ISO 48-2:2018),
Englische Übersetzung von DIN ISO 48-2:2021-02

Caoutchouc vulcanisé ou thermoplastique –
Détermination de la dureté –
Partie 2: Dureté comprise entre 10 DIDC et 100 DIDC (ISO 48-2:2018),
Traduction anglaise de DIN ISO 48-2:2021-02

Document comprises 29 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

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National foreword

This document (ISO 48-2:2018) has been prepared by Technical Committee ISO/TC 45 “Rubber and rubber products” (Secretariat: DSM, Malaysia).

The responsible German body involved in its preparation was *DIN-Normenausschuss Materialprüfung* (DIN Standards Committee Materials Testing), Working Committee NA 062-04-34 AA “Test procedures for physical properties of rubber”.

The DIN documents corresponding to the documents referred to in this document are as follows:

ISO 48-3	DIN ISO 48-3
ISO 48-4	DIN ISO 48-4
ISO 48-8	DIN ISO 48-8
ISO 48-9	DIN ISO 48-9
ISO 1382	DIN ISO 1382
ISO 7743	DIN ISO 7743*
ISO 23529	DIN ISO 23529

For current information on this document, please go to DIN’s website (www.din.de) and search for the document number in question.

Amendments

This standard differs from DIN ISO 48:2016-09 as follows:

- a) the number of the standard has been changed;
- b) in the Introduction, a justification for the regrouping of the standards according to hardness testing has been added;
- c) in Clause 12, an alternative way of expressing results has been added.

Previous editions

DIN 53503-1 = DVM 3503-1: 1938-06
 DIN 53503-2: 1943-03
 DIN 53503: 1948-08, 1952-01
 DIN 53519: 1965-01
 DIN 53519-1: 1972-05
 DIN 53519-2: 1972-05
 DIN ISO 48: 2003-07, 2009-10, 2016-09

* DIN ISO 7743 has been withdrawn without replacement.

National Annex NA
(informative)

Bibliography

DIN ISO 48-3, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 3: Dead-load hardness using the very low rubber hardness (VLRH) scale*

DIN ISO 48-4, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 4: Indentation hardness by durometer method (Shore hardness)*

DIN ISO 48-8, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 8: Apparent hardness of rubber-covered rollers by Pusey and Jones method*

DIN ISO 48-9, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 9: Calibration and verification of hardness testers*

DIN ISO 1382, *Rubber — Vocabulary*

DIN ISO 7743, *Rubber, vulcanized or thermoplastic — Determination of compression stress-strain properties*

DIN ISO 23529, *Rubber — General procedures for preparing and conditioning test pieces for physical test methods*