

STN	Ochrana očí a tváre Skúšobné metódy Časť 3: Mechanické vlastnosti (ISO 18526-3: 2020)	STN EN ISO 18526-3 83 2180
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Eye and face protection - Test methods - Part 3: Physical and mechanical properties (ISO 18526-3:2020)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/20

Obsahuje: EN ISO 18526-3:2020, ISO 18526-3:2020

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 18526-3

January 2020

ICS 13.340.20

English Version

**Eye and face protection - Test methods - Part 3: Physical
and mechanical properties (ISO 18526-3:2020)**

Protection des yeux et du visage - Méthodes d'essai -
Partie 3: Propriétés physiques et mécaniques (ISO
18526-3:2020)

Augen- und Gesichtsschutz - Prüfverfahren - Teil 3:
Physikalische und mechanische Eigenschaften (ISO
18526-3:2020)

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EN ISO 18526-3:2020 (E)

Contents	Page
European foreword.....	3

European foreword

This document (EN ISO 18526-3:2020) has been prepared by Technical Committee ISO/TC 94 "Personal safety -- Personal protective equipment" in collaboration with Technical Committee CEN/TC 85 "Eye protective equipment" the secretariat of which is held by AFNOR.

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INTERNATIONAL STANDARD

ISO
18526-3

First edition
2020-01

Eye and face protection — Test methods —

Part 3: Physical and mechanical properties

*Protection des yeux et du visage — Méthodes d'essai —
Partie 3: Propriétés physiques et mécaniques*



Reference number
ISO 18526-3:2020(E)

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Published in Switzerland

Contents

Page

Foreword	vi
Introduction	vii
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Preparatory information	1
5 General test requirements	2
6 Physical test methods	2
6.1 Physical inspection	2
6.1.1 Principle	2
6.1.2 Procedure	2
6.1.3 Test report	2
6.2 Field of view	3
6.2.1 Principle	3
6.2.2 Apparatus	3
6.2.3 Procedure	3
6.2.4 Test report	3
6.3 Area to be protected — Assessment from the frontal direction	4
6.3.1 Principle	4
6.3.2 Apparatus	4
6.3.3 Procedure	4
6.3.4 Test report	4
6.4 Area to be protected — Assessment from the lateral direction	4
6.4.1 Principle	4
6.4.2 Apparatus	4
6.4.3 Procedure	4
6.4.4 Test report	5
6.5 Retention by headbands and harnesses (sit and fit)	5
6.5.1 Principle	5
6.5.2 Procedure	5
6.5.3 Test report	5
6.6 Visual assessment of material and surface quality of lenses	5
6.6.1 Principle	5
6.6.2 Apparatus	5
6.6.3 Procedure	6
6.6.4 Test report	6
6.7 Resistance to thermal exposure	6
6.7.1 Principle	6
6.7.2 Procedure	7
6.7.3 Test report	7
6.8 Resistance to ultraviolet radiation	7
6.8.1 Principle	7
6.8.2 Solar ultraviolet radiation	7
6.8.3 Ultraviolet radiation from artificial sources	9
6.9 Resistance to corrosion	9
6.9.1 Principle	9
6.9.2 Reagents and materials	10
6.9.3 Procedure	10
6.9.4 Test report	10
6.10 Resistance to ignition	10
6.10.1 Principle	10
6.10.2 Apparatus	10

ISO 18526-3:2020(E)

6.10.3	Procedure.....	10
6.10.4	Test report.....	11
6.11	Resistance to fogging of lenses or filters.....	11
6.11.1	Principle.....	11
6.11.2	Apparatus.....	11
6.11.3	Conditioning.....	12
6.11.4	Procedure.....	12
6.11.5	Test report.....	13
6.12	Protection against droplets.....	13
6.12.1	Principle.....	13
6.12.2	Reagents, material and apparatus.....	13
6.12.3	Procedure.....	13
6.12.4	Test report.....	14
6.13	Protection against streams of liquids.....	14
6.13.1	Principle.....	14
6.13.2	Reagents, materials and apparatus.....	14
6.13.3	Procedure.....	15
6.13.4	Test report.....	15
6.14	Protection against large dust particles.....	16
6.14.1	Test principle.....	16
6.14.2	Material and apparatus.....	16
6.14.3	Procedure.....	17
6.14.4	Test report.....	18
6.15	Protection against gases and fine dust.....	18
6.15.1	Principle.....	18
6.15.2	Apparatus.....	18
6.15.3	Procedure.....	19
6.15.4	Test report.....	19
6.16	Protection against radiant heat.....	19
6.16.1	Principle.....	19
6.16.2	Test apparatus.....	19
6.16.3	Preparation of the test sample.....	20
6.16.4	Procedure.....	20
6.16.5	Test report.....	21
6.17	Chemical resistance.....	21
6.17.1	Principle.....	21
6.17.2	Procedure.....	21
6.17.3	Test report.....	21
7	Mechanical test methods.....	21
7.1	General.....	21
7.2	Tests on unmounted lenses.....	22
7.2.1	Minimum robustness of unmounted lenses (static load test).....	22
7.2.2	Drop ball test for unmounted lenses.....	25
7.3	Tests on complete eye protectors.....	27
7.3.1	Drop ball test for complete protectors.....	27
7.3.2	Ballistic impact test for complete protectors.....	28
7.3.3	High mass test for complete protectors.....	29
7.4	Resistance to surface damage due to flying fine particles.....	31
7.4.1	Principle.....	31
7.4.2	Material and apparatus.....	31
7.4.3	Preparation of reference samples for measurement of light scatter.....	33
7.4.4	Preparation of test samples.....	34
7.4.5	Procedure.....	34
7.4.6	Evaluation of narrow angle scatter of the test sample.....	34
7.4.7	Evaluation of wide angle scatter of the test sample.....	34
7.4.8	Test report.....	35
7.5	Penetration of vents and gaps.....	35
7.5.1	Principle.....	35

	7.5.2	Apparatus.....	35
	7.5.3	Procedure.....	36
	7.5.4	Test report.....	36
7.6		Protection against molten metals and hot solids.....	36
	7.6.1	Adherence of molten metal.....	36
	7.6.2	Resistance to penetration of protector by hot solids.....	39
8		Marking and packaging.....	40
	8.1	Principle.....	40
	8.2	Procedure.....	40
	8.3	Test report.....	40
9		Information to be supplied by the manufacturer.....	40
	9.1	Principle.....	40
	9.2	Procedure.....	40
	9.3	Test report.....	40
10		Additional test methods for protectors during welding and related techniques.....	41
	10.1	Dimension measurements of welding hand shields.....	41
		10.1.1 Procedure.....	41
		10.1.2 Test report.....	41
	10.2	Drop test of welding protectors.....	41
		10.2.1 Principle.....	41
		10.2.2 Apparatus.....	41
		10.2.3 Preparation of test samples.....	41
		10.2.4 Procedure.....	41
		10.2.5 Test report.....	41
	10.3	Light tightness of welding protectors.....	42
		10.3.1 Principle.....	42
		10.3.2 Procedure.....	42
		10.3.3 Test report.....	42
	10.4	Electrical insulation of welding helmets and welding hand shields.....	42
		10.4.1 Principle.....	42
		10.4.2 Procedure.....	42
		10.4.3 Test report.....	42
11		Additional test methods for mesh protectors.....	43
	11.1	Number of apertures in a mesh.....	43
		11.1.1 Principle.....	43
		11.1.2 Procedure.....	43
		11.1.3 Test report.....	43
	11.2	Contact with metal parts.....	43
		11.2.1 Principle.....	43
		11.2.2 Procedure.....	43
		11.2.3 Test report.....	43
		Annex A (normative) Application of uncertainty of measurement.....	44
		Annex B (normative) Long wavelength pass filter.....	47
		Annex C (informative) Full details of the apparatus for the streams of liquids test.....	49
		Bibliography.....	51

ISO 18526-3:2020(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by ISO/TC 94, *Personal safety — Personal protective equipment*, Subcommittee SC 6, *Eye and face protection*.

This first edition of ISO 18526-3:2019 cancels and replaces ISO 4855:1981, which has been technically revised.

A list of all parts in the ISO 18526 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This family of documents was developed in response to the worldwide stakeholders' demand for minimum requirements and test methods for eye and face protectors traded internationally. ISO 4007 gives the terms and definitions for all the various product types. The test methods are in the ISO 18526 series, while the requirements for occupational eye and face protectors are in the ISO 16321 series. Eye protection for specific sports is mostly dealt with by the ISO 18527 series. A guidance document, ISO 19734¹⁾, for the selection, use and maintenance of eye and face protectors is in preparation.

1) Under preparation. Stage at the time of publication: ISO/CD 19734:2020.

Eye and face protection — Test methods —

Part 3: Physical and mechanical properties

1 Scope

This document specifies the reference test methods for determining the physical and mechanical properties of eye and face protectors.

This document does not apply to any eye and face protection products for which the requirements standard(s) specifies other test methods.

Other test methods can be used if shown to be equivalent and include uncertainties of measurement no greater than those required of the reference method.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 48-2, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 2: Hardness between 10 IRHD and 100 IRHD*

ISO 4007, *Personal protective equipment — Eye and face protection — Vocabulary*

ISO 18526-2:2020, *Eye and face protection — Test methods — Part 2: Physical optical properties*

ISO 18526-4, *Eye and face protection — Test methods — Part 4: Headforms*

ISO 18527-2, *Eye and face protection for sports use — Part 2: Requirements for eye protectors for Squash and eye protectors for Racquetball and Squash 57*

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