INTERNATIONAL STANDARD

ISO 25518

Second edition
2021-10

Single-use rubber gloves for general applications — Specification

Reference number
ISO 25518:2021(E)

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Published in Switzerland

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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 of the voluntary nature of standards, 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 4, *Products (other than hoses)*.

This second edition cancels and replaces the first edition (ISO 25518:2009), which has been technically revised.

The main changes compared to the previous edition are as follows:

— Figure 1 in 4.2 has been changed;

— value of powder content limit has been added in 6.2.

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.

Single-use rubber gloves for general applications — Specification

WARNING — Persons using this document should be familiar with normal laboratory practices. This document does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any regulatory conditions.

1 Scope

This document specifies the physical requirements and sampling and testing methods for single-use rubber gloves, made from natural rubber latex, synthetic rubber latex or rubber solution, intended for general applications, but not gloves intended for medical purposes.

It does not cover the safe and proper usage of the gloves.

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 37, *Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties*

ISO 188, *Rubber, vulcanized or thermoplastic — Accelerated ageing and heat resistance tests*

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

4 Requirements

4.1 Materials

Gloves shall be manufactured from suitable materials. Any pigment, surface treatment, lubricant or powder used shall be non-toxic and shall be disclosed on request. Substances used for the treatment that could be transferred to the skin during use shall not cause any harm.

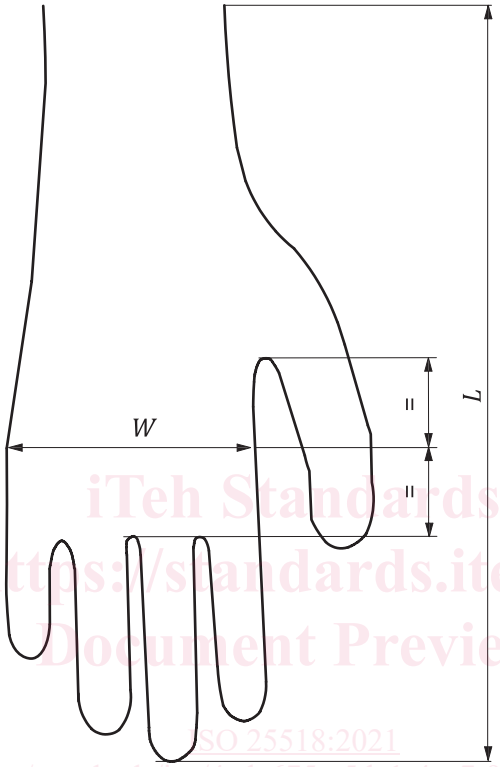
4.2 Dimensions

When measured at the points shown in Figure 1, gloves shall comply with the dimensions for length (L) and palm width (W) given in Table 1, using the inspection level and acceptance quality limits (AQL) given in Table 3.

The measurement of length (*L*) shall be the shortest distance between the tip of the middle finger and the cuff end.

The length (*L*) measurement may be taken by hanging the glove on a suitable mandrel with a tip radius of 5 mm.

The measurement of width (*W*) shall be at the midpoint between the base of the index finger and the base of the thumb to the opposite end of the glove. The width (*W*) measurement shall be made with the glove placed on a flat surface.



Key

L length

W width

Figure 1 — Measurement points for the length and width of the glove

Table 1 — Dimensions and tolerances

Size	Width (dimension *W* in Figure 1) mm	Minimum length (dimension *L* in Figure 1) mm
Extra small (XS)	≤ 80	220
Small (S)	80 ± 10	220
Medium (M)	95 ± 10	230
Large (L)	110 ± 10	230
Extra large (XL)	≥ 110	230