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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, document 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).

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For an explanation ~~on~~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 \(WTO\)](http://www.wto.org) 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)*.

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.

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Introduction

This document has no conflict or overlap with ISO 21420 or ISO 23388. This specific document is relevant to the general use of latex coated fabric glove other than PPE.

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Rubber latex coated fabric gloves — Specification

1 Scope

This document specifies the minimum requirements and test methods for rubber latex coated fabric gloves.

This document is applicable for general use fabric gloves which are coated with natural rubber latex and fabric gloves which are coated with acrylonitrile-butadiene rubber latex. Personal protective equipment (PPE) is not included in this document.

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 780, Packaging — Distribution packaging — Graphical symbols for handling and storage of packages~~

~~ISO 1421, Rubber- or plastics-coated fabrics — Determination of tensile strength and elongation at break~~

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

~~ISO 3303-1, Rubber or plastics coated fabrics — Determination of bursting strength — Part 1: Steel ball method~~

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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/>

3.1 rubber latex coated fabric gloves

fabric gloves coated with rubber latex made by dipping process

3.2 air bubble

thin portion, with definite edge, concave or convex, which is created by air in latex coating except for foaming process

3.3 peeling

insufficient bonding of latex coating and base fabric, resulting partial separation or fully detachment in a glove

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3.4 damage

visible holes or scratches on latex coating or/and base fabric of a glove

3.5 crack

visible surface splits or tears on latex coating on a glove

3.6 latex migration

latex penetration through base fabric of a glove

3.7 latex flow

excess and irregular shaped latex on the edge of latex coating on a glove

3.8 impurity

other substance on latex coating or/and base fabric of a glove

3.9 flow mark

visible bulged surface that twice as thick as latex coating on a glove

4 Classification

4.1 General

Rubber latex coated fabric gloves are classified by type and finish, as given in 4.2 and 4.3.

4.2 Type

- Type 1: fabric gloves coated by natural rubber latex;
- Type 2: fabric gloves coated by acrylonitrile-butadiene rubber latex.

4.3 Finish

As examples, following coating area can be adopted as finishing for rubber latex coated fabric glove.

- Type A: the gloves partly covered with palm and finger covered with rubber (see Figure 1);
- Type B: the glove fully covered with rubber (see Figure 2).

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Figure 1 — Type A gloves

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Figure 2.— Type B gloves

5 Sampling and selection of test pieces

5.1 Sampling

For reference purposes, gloves shall be sampled and inspected in accordance with single sampling plans for normal inspection specified in ISO 2859-1. The inspection levels and acceptance quality limits (AQLs) shall conform to those specified in Table 1 for the characteristics listed.

When a lot size cannot be determined, a lot should not be more than 150 000 pairs.

Table 1.— Inspection levels and AQLs

Characteristic	Inspection level	AQL
Appearance	G-1	1,5
Dexterity	S-2	4,0
Force at break	S-2	4,0
Fingertip wear resistance	S-1	As agreed

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