
**Rubber and plastics gloves for food
services — Limits for extractable
substances**

*Gants en caoutchouc et en plastique pour les services alimentaires —
Limites pour les substances extractibles*



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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 on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 4, *Products (other than hoses)*.

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WARNING — Persons using this International Standard should be familiar with normal laboratory practice. This International Standard 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 national regulatory conditions.

1 Scope

This International Standard specifies limits for extractable chemical substances for single-use gloves made from natural rubber, synthetic rubber, or plastic materials that are intended for use in food preparation, food handling, and related application in food service industry.

This International Standard does not cover the specification for extractable biological substances and physical requirements of the gloves. It is not applicable to gloves used under extreme conditions such as those having pH less than 4,5 and/or temperature above 40 °C. This International Standard does not cover gloves being exposed to fat and oil foods.

NOTE The physical requirements specified for gloves could be found in related International Standards, for example, ISO 11193-1 and ISO 11193-2.

This International Standard does not cover safe and proper application of the gloves with subsequent handling, packaging, and storage procedures.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 14372:2004, *Child use and care articles – Cutlery and feeding utensils – Safety requirements and tests*

3 Types

Gloves are classified into the following types:

- a) type 1: natural rubber latex;
- b) type 2: synthetic latex;
- c) type 3: polyvinyl chloride (PVC);
- d) type 4: polyethylene (PE);
- e) type 5: polypropylene (PP).

NOTE Gloves made from blend polymer are not covered in this International Standard.