



Standard Specification for Rubber General Purpose, Household or Beautician Gloves¹

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1. Scope

1.1 This specification covers requirements for gloves made of rubber-like latex, whether made of natural or synthetic materials, unsupported with or without a flock lining, intended for household, beautician use, or general use.

1.2 This specification is intended to serve as a guide to permit obtaining gloves of consistent performance. The safe and proper use of gloves is excluded from the scope of this specification.

1.3 The following safety hazards caveat pertains only to the test method portion, Section 8, of this specification: *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

D 412 Test Methods for Vulcanized Rubbers and Thermoplastic Rubbers and Thermoplastic Elastomers—Tension²

D 573 Test Method for Rubber—Deterioration in an Air Oven²

D 865 Test Method for Rubber—Deterioration by Heating in Air (Test Tube Enclosure)²

D 3767 Practice for Rubber—Measurement of Dimensions²

D 5151 Test Method for Detection of Holes in Medical Gloves³

2.2 ISO Standard:

ISO 2859 Sampling Procedures and Tables for Inspection by Attributes⁴

3. Materials and Manufacture

3.1 Any rubber-like material whether comprised of natural synthetic, or other polymer compound that permits the glove to

meet the requirements of this specification is acceptable.

4. Workmanship, Finish, and Appearance

4.1 The gloves shall have a uniform finish and be free of discoloration, thin spots, air bubbles, embedded particles, tackiness, and other blemishes likely to affect serviceability.

5. Precautions

5.1 Performance requirements are limited to minimum physical properties initially, and after heat aging, in accordance with 8.5.2 because performance testing for all possible use situations is impractical. Gloves covered under this specification are not intended for use with, or exposure to, chlorinated or aromatic solvents, or other strong chemicals. If the gloves are made of, or contain natural rubber latex, they are not intended for exposure to products containing petroleum or petroleum derivatives.

6. Performance Requirements

6.1 Gloves, sampled in accordance with Section 7, shall meet the following requirements:

6.1.1 Free from holes when tested in accordance with 8.2,

6.1.2 Consistent design in accordance with 8.3,

6.1.3 Consistent physical dimensions in accordance with 8.4, and

6.1.4 Have acceptable physical property characteristics in accordance with 8.5.

7. Sampling and Inspection

7.1 For referee purposes, gloves shall be sampled and inspected in accordance with ISO 2859. The inspection levels and acceptable quality levels (AQL) shall conform to those in Table 1, or as agreed upon between the purchaser and the seller, if the latter is more comprehensive.

8. Test Methods

8.1 The following tests shall be conducted to assure the requirements of Section 6, as prescribed in Table 1.

8.2 *Freedom From Holes*—Testing for freedom from holes shall be conducted in accordance with Test Method D 5151.

8.2.1 Manufacturers may use process controls for hole detection but for qualification and referee testing, the test method described in 8.2 shall be used.

¹ This specification is under the jurisdiction of ASTM Committee D11 on Rubber and is the direct responsibility of Subcommittee D11.40 on Consumer Rubber Products.

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² Annual Book of ASTM Standards, Vol 09.01.

³ Annual Book of ASTM Standards, Vol 09.02.

⁴ Available from American National Standards Institute, 25 W. 43rd St., 4th Floor, New York, NY 10036.