

HG

CHEMICAL INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HG/T 2584-2010

Replacing HG/T 2584-2002

Rubber industrial gloves

橡胶工业手套

(English Translation)

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Foreword

This Standard non-equivalently adopts Japanese Industrial Standard JIS T 8116.

2005 "Chemical protective gloves". This Standard replaces HG/T 2584-2002 "Rubber industry gloves".

Compared with HG/T 2584-2002, the major changes of this Standard are as follows.

- MODIFY the normative references (Chapter 2);
- ADD the English definition of the terms (3.1, 3.2);
- ADD the appearance requirements (4.1);
- ADD glove size for extra-small and extra-large specifications (Table 1);
- ADD measurement diagram for glove size (Figure 1);
- The "pinhole, and pinhole leaks" are unified as "pinhole" (Table 2, Appendix A);
- Appendix A, and Appendix B are revised as normative;
- ADD filled-water amount for extra-small and extra-large size gloves, REVISE the filled-water amount for large, medium and small size gloves (A.3 1.);
- The "timer clock" is revised as "timer clock with accuracy of 1 min" (B.1.3);
- ADD "test result expression" (B.5). Appendix A and Appendix B of this Standard are normative.

1 Scope

This Standard specifies the rubber industry gloves' technical requirements, test methods, inspection rules and signs, packaging, transportation, storage and so on.

This Standard applies to labor protection gloves (hereinafter referred to as gloves) of which the main material are made of natural rubber latex and which are used in industry, agriculture, forestry, animal husbandry and fishery industry.

2 Normative references

The provisions in following documents become part of this Standard, through reference in this Standard. For dated documents, subsequent amendments (excluding corrections) or revisions shall not apply to this Part. However, all parties who enter into agreement according to this part are encouraged to study if the latest versions of these documents are applicable. For undated documents, the latest version applies to this Part.

GB/T 528-2009 Rubber, vulcanized or thermoplastic. Determination of tensile stress-strain properties (GB/T 528-2009, idt ISO 37:2005)

GB/T 2828.1-2003 Sampling procedures - Part 1. retrieval by acceptance quality limit (AQL) for lot-by-lot inspection sampling plan (GB/T 2828.1-2003, idt ISO 2859-1:1999)

3 Terms and definitions

The following terms and definitions apply to this Standard.

3.1 Tensile load

The force applied per unit of width on the testing position, when the test specimen is ruptured during tensile. Unit. N/cm.

6 Sampling and specimen selection

6.4

If there is one test result exceeding the AQL value specified in Table 2, the unqualified item may be re-inspected one more time. If the re-inspection still fails, then the batch of products or the products manufactured in the period are deemed as unqualified.

7 Packaging and marking

7.1

Gloves shall have specification mark.

7.2

Product name, specifications, trademark, manufacturer name, production date, valid date or expiry date shall be indicated in glove internal packaging.

7.3

Product name, size, quantity, manufacturer's name, batch number, standard number shall be indicated on glove external packaging.

7.4

When there is special requirement to packaging and marks, it may be negotiated by purchaser and supplier.

8 Transportation and storage

8.1

During transportation, gloves shall be prevented from sunlight and rain, and it shall not be damped or heated.

8.2

Gloves shall be stored in a well-ventilated, cool and dry warehouse. The products shall be placed on shelves where is more than 20 cm from the ground. Appropriate stacking distance shall be maintained. It shall avoid sunlight or strong artificial light with high UV components. It shall be placed more than 1 m away from heat sources.

And it shall not be contacted with substances harmful to rubber, such as oils, acids, bases, copper, and manganese. B.4.3 REPEAT above test 3 times.

B.4.4 CLEAN the glove, WEAR it to hand, after performing 30 times of clenching and releasing, USE visual inspection method to check whether there is any anomalies such as significant expansion, extraction, and hardening.

B.5 Test result expression

For glove passing B.3 and B.4 tests, penetration resistance shall be indicated as "qualified", on the contrary, it shall be indicated as "unqualified".