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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 45188-2024

Hand protection - Protective gloves for welders

手部防护 焊工防护手套

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document is proposed and coordinated by the Ministry of Emergency Management of the People's Republic of China. Hand protection welder protective gloves

1 Scope

GB 45188-2024 is the Chinese national standard on hand protection - protective gloves for welders, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 31 December 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 January 2026. Classification: ICS 13.340.40, CCS C73. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the technical requirements, marking and manufacturer's supply of protective gloves for use in manual metal welding, gas cutting and similar operations. information describing the test method. This document applies to welders' protective gloves that protect hands and arms during welding and related operations. This document is not

applicable to underwater welding, vacuum electron beam welding, and other special occasions or special welding operations that require automatic welding equipment. Use protective gloves.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 5456-2009 Combustion performance of textiles - Determination of flame spread performance of vertical test specimens

GB/T 12624-2020 General test methods for hand protection

GB/T 17599 Determination of heat-resistant properties of protective clothing fabrics against molten metal drop impact

GB/T 22043 Test method for antistatic performance of clothing by material resistance (vertical resistance)

GB 24541-2022 Hand protection gloves for protection against mechanical hazards

GB/T 38306-2019 Hand protection gloves against heat damage

GB 42298-2022 General technical specification for hand protection

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Protects hands and arms from molten metal drops, limited flame, convection heat, contact heat, mechanical damage and vertical electrical shock. Protective gloves with resistance sufficient for DC arc welding (voltage less than 100V).

4 Protection categories of welder protective gloves

The protection categories of welder protective gloves are divided into two categories.

---Class A. has higher thermal protection performance;

---Class B. has lower thermal protection performance.

5 Technical requirements

5.1 Harmlessness The material of welder's protective gloves should comply with the

technical requirements of
5.2 in GB 42298-2022.

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