

ICS 13.220.10  
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**GA**

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

**GA 6-2004**

Replacing GA 6-1991

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**Exposure footwear for firemen**

消防员灭火防护靴

**(English Translation)**

**Issued on: June 4, 2004**

**Implemented on: October 1, 2004**

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**Issued by: Ministry of Public Security of PRC**

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### Foreword

Chapters 4, 5, 6, and 7 of this standard are mandatory and the rest are recommended.

This standard refers to the technical indicators of relevant standards of foreign advanced industrial technology, combined with the actual use of firefighting teams in China and Revised by the existing technical level and production capacity in China.

This standard replaces GA 6-1991.

The main differences between this standard and the previous version of the standard are as follows.

- Added model preparation method;
- The quality of fire protection boots has increased;
- Increased appearance requirements, physical and mechanical properties, acid and alkali resistance, anti-carries properties, cut resistance, radiant heat penetration resistance and protection Water performance and corresponding test methods;
- Improve the puncture resistance of fire protection boots;
- Supplementary amendments to the inspection rules, marking, packaging, transportation and storage of fire-fighting protective boots;
- According to GB/T 1.1-2000 "Standardization Work Guide Part 1. Standard Structure and Writing Rules", format the format and the description method has been changed accordingly.

This standard was proposed by the Fire Department of the Ministry of Public Security.

This standard is under the jurisdiction of the Fifth Technical Committee of the National Fire Protection Standardization Committee.

This standard was drafted. Shanghai Fire Research Institute of the Ministry of Public Security.

## 1 Scope

This standard specifies the definition, model and specifications, technical requirements, test methods, inspection rules and signs, packaging, firefighters' boots.

Transportation and storage.

This standard applies to protective boots worn by firefighters during firefighting and rescue operations.

## 2 Normative references

The terms in the following documents become the terms of this standard by reference to this standard. All dated references, followed by all Modifications (not including errata content) or revisions do not apply to this standard, however, parties to agreements based on this standard are encouraged to study is it possible to use the latest version of these files? For undated references, the latest edition applies to this standard.

GB/T 191-2000 Packaging Storage and Transportation Graphic Mark (eqv ISO 780:1997)  
GB/T 528-1998 Determination of tensile stress-strain properties of vulcanized rubber or thermoplastic rubber (eqv ISO 37:1994) GB/T 531-1999 Rubber pocket hardness tester hardness test method (idt ISO 7619:1986) GB/T 532 Determination of the bond strength between vulcanized rubber and fabrics (GB/T 532-1997, idt ISO 36:1993) GB/T 1682 vulcanized rubber - Determination of brittleness - single sample method (GB/T 1682-1994, eqv ISO 812:1991) GB/T 1689 vulcanized rubber - Determination of wear resistance (with Acron wearer) GB/T 1690 vulcanized rubber liquid resistance test method (GB/T 1690-1992, neq ISO 1817:1985) GB/T 2941-1991 Rubber specimens Environmental conditions and test standards Temperature, humidity and time (eqv ISO 471:1983) GB/T 3293.1 shoe size (GB/T 3293.1-1998, idt ISO 9407:1991) GB/T 3512-2001 Hot air accelerated aging and heat resistance test of vulcanized rubber or thermoplastic rubber (eqv ISO 188:1998) GB 12011-2000 General technical conditions for electrically insulated shoes Anti-piercing technical conditions and test methods for GB 12017 anti-piercing shoes GB 12018 acid and alkali resistant leather shoes GB 12019 acid and alkali resistant rubber boots GB/T 13488 Rubber burning performance determination vertical combustion method QB/T 1002 plastic suede shoes QB/T 1003 vulcanized leather shoes QB/T 1005 molded shoes QB/T 3812.1-1999 Leather laboratory sample parts and signs QB/T 3812.2-1999 Air conditioning for test strips for physical properties testing of leather QB/T 3812.3-1999 Sample number of leather sampling samples QB/T 3812.4-1999 Determination of the thickness of leather physical properties test QB/T 3812.5-1999 Determination of tensile strength and elongation of leather QB/T 3812.6-1999 Determination of leather tearing force HG3081-1999 rubber face anti-mite safety boots

### **3 Terms and definitions**

The following terms and definitions apply to this standard.