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

GB 44023-2024

**Compounded rubber hose for internal use in gas appliance
connection**

燃气用具连接内用橡胶复合软管

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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 Housing and Urban-Rural Development of the People's Republic of China: Rubber composite hose for connecting gas appliances

1 Scope

GB 44023-2024 is the Chinese national standard on compounded rubber hose for internal use in gas appliance connection, in the field of construction materials and building. 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 29 April 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 August 2024. Classification: ICS 91.140, CCS P45. 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 classification, specifications and models, appearance, structure and dimensions, performance requirements of rubber composite hoses used in

gas appliances: Requirements, test methods, inspection rules, marking and instructions for use, packaging, transportation and storage: This document is applicable to the transmission medium of urban gas, the nominal size is not greater than DN15, the maximum working pressure is 0.01MPa, and the ambient temperature is The inner rubber hose of the metal sheathed hose used to connect gas appliances with a temperature of -10°C~70°C: This document is not applicable to rubber composite hoses used for connections where the conveying medium contains dimethyl ether: The rubber composite hose for gas appliance connection specified in this document is not used directly to connect gas appliances:

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 191 Pictorial markings for packaging, storage and transportation

GB/T 528 Determination of tensile stress-strain properties of vulcanized rubber or thermoplastic rubber GB/T 531:

1 Test method for indentation hardness of vulcanized rubber or thermoplastic rubber Part 1: Shore hardness tester method (Shore hardness)

GB/T 1690 Test method for liquid resistance of vulcanized rubber or thermoplastic rubber GB/T 2828:

1 Sampling procedures for inspection by attributes Part 1: Sampling plans for batch inspection based on the acceptance quality limit (AQL)

GB/T 3512 Hot air accelerated aging and heat resistance tests for vulcanized rubber or thermoplastic rubber

GB/T 5563 Hydrostatic test methods for rubber and plastic hoses and hose assemblies GB/T 5565:

1 Rubber and plastic hoses and non-reinforced hoses - Measurement of flexibility and stiffness - Part 1: Room temperature bending test GB/T 5565:

2 Rubber and plastic hoses and non-reinforced hoses - Measurement of flexibility and stiffness - Part 2: Bend test below room temperature

GB/T 9576 Guide for the selection, storage, use and maintenance of rubber and plastic hoses and hose assemblies

GB/T 9577 Rules for marking, packaging and transportation of rubber and plastic hoses

and hose assemblies

GB/T 10589 Technical requirements for low temperature test chambers

GB/T 11158 Technical requirements for high temperature test chambers

3 Terms and definitions

The following terms and definitions apply to this document: 3:

1 The inner rubber hose of the metal-coated hose used to connect gas appliances made of rubber blend or rubber and plastic blend:

Note: referred to as "inner hose":