

Specification for

Rubber materials for seals and diaphragms for gas appliances and gas equipment

The European Standard EN 549:1994 has the status of a
British Standard

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee GSE/22, Safety and controls for gas burners and appliances, upon which the following bodies were represented:

- Association of Control Manufacturers [TACMA (BEAMA Ltd.)]
- British Combustion Equipment Manufacturers' Association
- British Gas plc
- Department of Trade and Industry (Consumer Safety Unit, C A Division)
- Electricity Association
- L P Gas Association
- Society of British Gas Industries

This British Standard, having been prepared under the direction of the Engineering Sector Board, was published under the authority of the Standards Board and comes into effect on 15 May 1995

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National foreword

This British Standard has been prepared by Technical Committee GSE/22 and is the English language version of EN 549:1994, *Rubber materials for seals and diaphragms for gas appliances and gas equipment*, published by the European Committee for Standardization (CEN).

It supersedes BS 6505 which is withdrawn.

EN 549 was produced as a result of international discussion in which the UK took an active part.

Cross-references

Publication referred to	Corresponding British Standard
	BS 903 <i>Physical testing of rubber</i>
ISO 48	Part A26: <i>Determination of hardness</i>
ISO 188	Part A19: <i>Heat resistance and accelerated ageing tests</i>
ISO 247	BS 7164 <i>Chemical tests for raw and vulcanized rubber</i>
	Part 5: <i>Methods for determination of ash content</i>
	BS 903 <i>Physical testing of rubber</i>
ISO 471	Part A35: <i>Temperatures, humidities and times for conditioning and testing of test pieces</i>
ISO 815	Part A6: <i>Method for determination of compression set at ambient, elevated or low temperatures</i>
ISO 1400	Part A26: <i>Determination of hardness</i>
ISO 1407	BS 1673 <i>Methods of test for raw rubber and unvulcanized compounded rubber</i>
	Part 2: <i>Chemical analysis of raw natural rubber</i>
	BS 903 <i>Physical testing of rubber</i>
ISO 1431-1	Part A43: <i>Method for determination of resistance to ozone cracking (static strain test)</i>
ISO 1817:1985	Part A16: 1987 <i>Determination of the effect on liquids</i>
	BS 903 <i>Physical testing of rubber</i>
ISO 4648	Part A38: <i>Methods for the determination of dimensions of test pieces and products for test purposes</i>
ISO 4650	BS 4181 <i>Identification of rubbers by infra-red spectrometry</i>
	Part 1: <i>Method for identification of hydrocarbon, chloroprene, nitrile and chlorosulphonated polyethylene rubbers</i>

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 12, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

ICS 21.140; 83.060

Descriptors: Household appliances, gas appliances, adjusting systems, membranes, seals: stoppers, rubber products, classifications, specifications, mechanical properties, tests

English version

Rubber materials for seals and diaphragms for gas appliances and gas equipment

Matériaux à base de caoutchouc pour joints et membranes destinés aux appareils à gaz et appareillages pour le gaz

Elastomer-Werkstoffe für Dichtungen und Membranen in Gasgeräten und Gasanlagen

This European Standard was approved by CEN on 1994-11-08. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard was prepared by the Technical Committee CEN/TC 108, Sealing materials and lubricants for gas appliances and gas equipment, of which the secretariat is held by NNI.

This European Standard is a compilation of EN 278:1991, EN 279:1991 and EN 291:1992.

Annex A is normative and contains verification of components by physical and chemical testing, Annex B is also normative and contains verification of components by infra-red spectrometric method.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association and supports essential requirements of EC Directive(s).

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 1995, and conflicting national standards shall be withdrawn at the latest by December 1995.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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