

Rubber and plastics tubing, hoses and assemblies for use with commercial propane, commercial butane and their mixtures in the vapour phase —

Part 1: Requirements for rubber and plastics tubing and hoses

The European Standard EN 1763-1:2000 has the status of a
British Standard

ICS 23.040.70

National foreword

This British Standard is the official English language version of EN 1763-1:2000.

The UK participation in its preparation was entrusted by Technical Committee PRI/66, Rubber and plastics tubing, hoses, to Subcommittee PRI/66/1, Industrial, chemical and petrochemical applications, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 17 and a back cover.

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English version

Rubber and plastics tubing, hoses and assemblies for use with
commercial propane, commercial butane and their mixtures in
the vapour phase - Part 1: Requirements for rubber and plastics
tubing and hoses

Tubes, tuyaux et flexibles en caoutchouc et en plastique
pour le propane commercial, le butane commercial et leurs
mélanges en phase vapeur - Partie 1: Exigences relatives
aux tubes et tuyaux en caoutchouc et en plastique

Gummi- und Kunststoffschläuche und -schlauchleitungen
mit und ohne Einlagen zur Verwendung mit kommerziellem
Propan, kommerziellem Butan und ihren Mischungen in der
Gasphase - Teil 1: Anforderungen an Gummi- und
Kunststoffschläuche mit und ohne Einlagen

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 218 "Rubber and plastics hoses and hose assemblies", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by June 2001, and conflicting national standards shall be withdrawn at the latest by June 2001.

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 EU Directive(s).

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

WARNING Due to regulations which are at the time outside the competence of the CEN/CENELEC members (France, Sweden and Italy), this European Standard contains an A-deviation, detailed in annex A (informative).

1 Scope

This European Standard specifies the properties and performance requirements for flexible rubber and plastics tubing and hoses up to a nominal bore of 12,5 for use with commercial propane and butane and mixtures thereof in the vapour phase in appliances, in environments between a minimum ambient temperature of -30 °C and a maximum ambient temperature of +60 °C.

The tests detailed in this standard are also applicable to tubing and hoses which form part of an assembly, such as that used for connecting a cylinder to a regulator.

NOTE 1 Attention is drawn to Part 2 of this standard for details of nipples, couplings and assemblies.

NOTE 2 Flexible rubber and plastics tubing and hoses conforming to this standard may be used where contact with appliances having a maximum surface temperature of 90 °C may occur.

This European Standard does not apply to hoses for welding purposes.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN ISO 176, *Plastics — Determination of loss of plasticizers — Activated carbon method* (ISO 176:1976)

EN ISO 4671, *Rubber and plastics hose and hose assemblies — Methods of measurement of dimensions* (ISO 4671:1984)

EN ISO 4672, *Rubber and plastics hoses — Sub-ambient temperature flexibility tests* (ISO 4672:1988)

EN ISO 7326, *Rubber and plastics hoses — Assessment of ozone resistance under static conditions* (ISO 7326:1991)

EN ISO 8033, *Rubber and plastics hose — Determination of adhesion between components* (ISO 8033:1991)

ISO 1307, *Rubber and plastics hoses for general-purpose industrial applications — Bore diameters and tolerances and tolerances on length* (ISO 1307:1992)

EN ISO 1402, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing* (ISO 1402:1994)