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Rubber hoses and hose assemblies for dispensing liquefied petroleum gases (LPGs) — Specification

*Tuyaux et flexibles en caoutchouc destinés à la fourniture de gaz de pétrole
liquéfiés (GPL) — Spécifications*



Reference number
ISO 11759:1999(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 11759 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Hoses (rubber and plastics)*.

Annex A forms a normative part of this International Standard.

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WARNING — Persons using this International Standard should be familiar with normal laboratory practice. This standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any national regulatory conditions.

1 Scope

This International Standard specifies the requirements for flexible rubber hoses and hose assemblies used for the transfer of metered quantities of liquefied petroleum gases (LPGs) from dispensing equipment to motor vehicles.

The hoses and hose assemblies specified in this International Standard are intended for use “wet”, i.e. permanently filled with liquid, in the temperature range from – 40 °C to + 60 °C.

The maximum working pressure is 20 bar (2 MPa).

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 37:1994, *Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties.*

ISO 188:1998, *Rubber, vulcanized or thermoplastic — Accelerated ageing and heat-resistance tests.*

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

ISO 1402:1994, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing.*

ISO 1746:1998, *Rubber or plastics hoses and tubing — Bending tests.*

ISO 1817:1999, *Rubber, vulcanized — Determination of the effect of liquids.*

ISO 4080:1991, *Rubber and plastics hoses and hose assemblies — Determination of permeability to gas.*

ISO 4672:1997, *Rubber and plastics hoses — Sub-ambient temperature flexibility tests.*

ISO 6801:1983, *Rubber or plastics hoses — Determination of volumetric expansion.*

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