
Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of liquid petroleum gas and liquefied natural gas — Specification

*Tuyaux et flexibles multicouches (non vulcanisés) thermoplastiques pour le transfert de gaz de pétrole liquide et de gaz naturel liquéfié —
Spécifications*

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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.

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This document was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Rubber and plastics hoses and hose assemblies*.

This second edition cancels and replaces the first edition (ISO 27127:2014), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the normative references have been updated and revised ([Clause 2](#));
- the tolerance on the minimum temperature has been removed ([Table 1](#));
- material numbers of helix have been added ([Clause 5](#));
- the tolerance on inside diameter 150 has been modified ([Table 2](#));
- change in length and twist at proof pressure has been modified to maximum working pressure ([Clause 7](#));
- flammability test has been added ([Table 3](#));
- burst pressure has been added ([Table 4](#));
- multi-components adhesive for hoses assemblies has been added ([Clause 7](#));
- the electrical resistance requirement between end fittings has been modified ([Clause 7](#));
- marking of the hose and assembly has been updated ([Clause 10](#));
- in [Annex A](#), thickness has been replaced by outside diameter (equals to the distance between the two plates) and tolerances on test force have been added;
- in [Annex D](#), the beginning of the test has been editorially revised;