

STN	Termoplastové a ohybné kovové potrubie na podzemnú inštaláciu na benzínových plniacich staniciach	STN EN 14125 65 6552
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Thermoplastic and flexible metal pipework for underground installation at petrol filling stations

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/25

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English Version

Thermoplastic and flexible metal pipework for underground installation at petrol filling stations

Tuyauteries enterrées thermoplastiques et en métaux
flexibles pour stations service

Thermoplastische und flexible metallene
Rohrleitungen für erdverlegte Installationen für
Tankstellen

This European Standard was approved by CEN on 20 January 2025.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 14125:2025 (E)

Contents		Page
European foreword		4
Introduction		5
1 Scope		6
2 Normative references		6
3 Terms and definitions		8
4 Classes and dimensions		9
4.1 Classes of pipework		9
4.2 Fittings		10
4.3 Dimensional tolerances		10
5 Physical properties		10
5.1 Pressure		10
5.1.1 General		10
5.1.2 Hydrostatic pressure		10
5.1.3 Vacuum		11
5.1.4 Cyclic pressure		11
5.2 Estimated working life		11
5.3 Temperature		11
5.4 Mechanical tests		12
5.4.1 Crush test		12
5.4.2 Bend radius test		12
5.4.3 Impact test		12
5.4.4 Puncture test		12
5.4.5 Pull test		13
5.5 Fuel tests		13
5.5.1 Fuel compatibility		13
5.5.2 Fuel permeability		13
5.5.3 Swelling		14
5.6 Static electricity		14
5.6.1 General		14
5.6.2 Requirements for insulating plastic pipe systems		14
5.6.3 Requirements for plastic pipe systems with conductive or dissipative linings		14
5.7 Weathering		14
5.8 Corrosion resistance		14
5.9 Summary of tests		15
6 Production control		16
7 Testing		16
7.1 General items referring to the test methods		16
7.1.1 Selection of test samples from a product range		16
7.1.2 Number of samples		16
7.1.3 Tests following conditioning		16
7.1.4 Combined tests		17
7.1.5 Procedure for retesting		17
7.1.6 Test fuels		18
7.2 Test methods		18

7.2.1	Hydrostatic pressure	18
7.2.2	Vacuum test	19
7.2.3	Cyclic pressure test	19
7.2.4	Crush test	20
7.2.5	Bend radius test	20
7.2.6	Impact test	21
7.2.7	Puncture resistance	21
7.2.8	Fuel compatibility test	21
7.2.9	Fuel permeability test	22
7.2.10	Longitudinal swelling	23
7.2.11	Pull-out test	23
7.2.12	Fitting pull-out test	24
8	Markings on pipe and fittings	24
9	Manuals	26
9.1	Product manual	26
9.2	Installation manuals	26
10	Records	26
	Annex A (informative) A-deviations	27
	Annex B (informative) Static electricity	29
	Annex C (informative) Environmental aspects	33
	Bibliography	36

EN 14125:2025 (E)**European foreword**

This document (EN 14125:2025) has been prepared by Technical Committee CEN/TC 393 “Equipment for storage tanks and for service stations”, the secretariat of which is held by DIN.

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 September 2025, and conflicting national standards shall be withdrawn at the latest by September 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document will supersede EN 14125:2013.

EN 14125:2025 includes the following significant technical changes with respect to EN 14125:2013:

- new test fuels added;
- Annex C for environmental aspects added.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Introduction

The purpose of this document is to ensure the suitability of underground pipework for conveying liquid fuels and their vapours at petrol filling stations.

Pipework should have a designated means of fitting specified by the manufacturer or supplier.

For the topic of environmental aspects see Annex C.

In this document the unit bar is used, due to its universal use in the gas industry. It should, however, be noted that bar is not an SI unit, and that the corresponding SI unit for pressure is Pa (1 bar = 10^5 Pa = 10^5 N/m²).

EN 14125:2025 (E)**1 Scope**

This document specifies requirements for underground pipework systems used to transfer liquid fuels and their vapours at petrol filling stations. Minimum performance requirements covering fitness for purpose, safety and environmental protection are given.

This document is applicable to pipework made from thermoplastics, which can include some degree of reinforcement, and to flexible metal pipework. It does not apply to fibre reinforced thermosets, commonly referred to as glass fibre reinforced plastic (GRP), nor to rigid metals.

This document is applicable to:

- delivery pipes from tanks to dispensers, including positive pressure, vacuum suction and siphon modes;
- fill pipes from road tankers to tanks;
- vapour recovery and vent pipework;
- pipework for secondary containment;
- fittings.

It does not apply to pipework for use with liquefied petroleum gas.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1555-1, *Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 1: General*

EN 1555-2, *Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 2: Pipes*

EN 1555-3, *Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 3: Fittings*

EN 1555-4, *Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 4: Valves*

EN 1555-5, *Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 5: Fitness for purpose of the system*

EN 12201-1, *Plastics piping systems for water supply, and for drainage and sewerage under pressure — Polyethylene (PE) — Part 1: General*

EN 12201-2, *Plastics piping systems for water supply, and for drainage and sewerage under pressure — Polyethylene (PE) — Part 2: Pipes*

EN 12201-3, *Plastics piping systems for water supply, and for drainage and sewerage under pressure — Polyethylene (PE) — Part 3: Fittings*

EN 12201-4, *Plastics piping systems for water supply, and for drainage and sewerage under pressure — Polyethylene (PE) — Part 4: Valves*

EN 12201-5, *Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) — Part 5: Fitness for purpose of the system*

EN 13160-1, *Leak detection systems — Part 1: General Principles*

EN 13160-2, *Leak detection systems — Part 2: Requirements and test/assessment methods for pressure and vacuum systems*

EN 13160-7, *Leak detection systems — Part 7: Requirements and test/assessment methods for interstitial spaces, leak detection linings and leak detection jackets*

EN 14214, *Liquid petroleum products — Fatty acid methyl esters (FAME) for use in diesel engines and heating applications - Requirements and test methods*

EN 15376, *Automotive fuels — Ethanol as a blending component for petrol — Requirements and test methods*

EN 15940, *Automotive fuels — Paraffinic diesel fuel from synthesis or hydrotreatment - Requirements and test methods*

EN 28510-1, *Adhesives — Peel test for a flexible-bonded-to-rigid test specimen assembly — Part 1: 90° peel*

EN ISO 1167-1, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 1: General method (ISO 1167-1)*

EN ISO 1167-2, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 2: Preparation of pipe test pieces (ISO 1167-2)*

EN ISO 1167-3, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 3: Preparation of components (ISO 1167-3)*

EN ISO 1167-4, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 4: Preparation of assemblies (ISO 1167-4)*

EN ISO 4892-2:2013, *Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps (ISO 4892-2:2013)*

EN ISO 8510-2, *Adhesives — Peel test for a flexible-bonded-to-rigid test specimen assembly — Part 2: 180 degree peel (ISO 8510-2)*

EN ISO 11306, *Corrosion of metals and alloys — Guidelines for exposing and evaluating metals and alloys in surface sea water (ISO 11306)*

EN ISO 11339, *Adhesives — T-peel test for flexible-to-flexible bonded assemblies (ISO 11339)*

EN ISO 13056, *Plastics piping systems — Pressure systems for hot and cold water — Test method for leaktightness under vacuum (ISO 13056)*

EN ISO 16871, *Plastics piping and ducting systems — Plastics pipes and fittings — Method for exposure to direct (natural) weathering (ISO 16871)*

EN ISO 19892, *Plastics piping systems — Thermoplastics pipes and fittings for hot and cold water — Test method for the resistance of joints to pressure cycling (ISO 19892)*

EN ISO 80079-36, *Explosive atmospheres — Part 36: Non-electrical equipment for explosive atmospheres — Basic method and requirements (ISO 80079-36)*

EN 14125:2025 (E)

ISO 11922-1, *Thermoplastics pipes for the conveyance of fluids — Dimensions and tolerances — Part 1: Metric series*

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