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Standards

Irish Standard  
I.S. EN 12007-2:2012

# Gas infrastructure - Pipelines for maximum operating pressure up to and including 16 bar - Part 2: Specific functional requirements for polyethylene (MOP up to and including 10 bar)

## I.S. EN 12007-2:2012

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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*This document replaces:*  
EN 12007-2:2000

*This document is based on:*  
EN 12007-2:2012

*Published:*  
15 August, 2012

This document was published  
under the authority of the NSAI  
and comes into effect on:  
15 August, 2012

**ICS number:**  
23.040.20

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English Version

**Gas infrastructure - Pipelines for maximum operating pressure  
up to and including 16 bar - Part 2: Specific functional  
requirements for polyethylene (MOP up to and including 10 bar)**

Infrastructures gazières - Canalisations pour pression  
maximale de service inférieure ou égale à 16 bar - Partie 2:  
Exigences fonctionnelles spécifiques pour le polyéthylène  
(MOP inférieure ou égale à 10 bar)

Gasinfrastruktur - Rohrleitungen mit einem maximal  
zulässigen Betriebsdruck bis einschließlich 16 bar - Teil 2:  
Spezifische funktionale Anforderungen für Polyethylen  
(MOP bis einschließlich 10 bar)

This European Standard was approved by CEN on 24 May 2012.

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.

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## Foreword

This document (EN 12007-2:2012) has been prepared by Technical Committee CEN/TC 234 “Gas infrastructure”, 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of an identical text or by endorsement, at the latest by February 2013, and conflicting national standards shall be withdrawn at the latest by February 2013.

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

This document supersedes EN 12007-2:2000.

Annex C provides details of significant technical changes between this European Standard and the previous edition.

EN 12007 *Gas infrastructure — Pipelines for maximum operating pressure up to and including 16 bar* consists of the following parts:

*Part 1: General functional requirements*

*Part 2: Specific functional requirements for polyethylene (MOP up to and including 10 bar)*  
*Part 3: Specific functional requirements for steel*

*Part 4: Specific functional requirements for renovation*

*Part 5: Specific functional recommendations of new service lines<sup>1</sup>*

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

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<sup>1</sup> To be published.

## 1 Scope

This European Standard describes the specific functional requirements for polyethylene (PE) pipelines in addition to the general functional requirements of EN 12007-1 for:

- a) a maximum operating pressure (MOP) up to and including 10 bar;
- b) an operating temperature between -20 °C and +40 °C.

This European Standard covers three types of pipe:

- PE pipes including any identification stripes;
- PE pipes with co-extruded layers on either or both the outside and/or inside of the pipe;
- PE pipes with a peelable, contiguous thermoplastics additional layer on the outside of the pipe.

This European Standard specifies common basic principles for gas infrastructure. Users of this European Standard should be aware that more detailed national standards and/or code of practice may exist in the CEN member countries. This European Standard is intended to be applied in association with these national standards and/or codes of practice setting out the above-mentioned basic principles.

In the event of conflicts in terms of more restrictive requirements in national legislation/regulation with the requirements of this European Standard, the national legislation/regulation takes precedence as illustrated in CEN/TR 13737 (all parts).

CEN/TR 13737 (all parts) give:

- clarification of all legislations/regulations applicable in a member state;
- if appropriate, more restrictive national requirements;
- a national contact point for the latest information.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 12327, *Gas infrastructure — Pressure testing, commissioning and decommissioning procedures — Functional requirements*

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