BS ISO 4437-5:2024

BSI Standards Publication

Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE)

Part 5: Fitness for purpose of the system

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National foreword

This British Standard is the UK implementation of ISO 4437-5:2024. It supersedes BS ISO 4437-5:2014, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/88/2, Plastics piping for pressure applications.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Part 5: Fitness for purpose of the system

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Partie 5: Aptitude à l'emploi du système

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Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **2**
3.1 Terms related to geometry ... 2
3.2 Terms related to material ... 3
3.3 Terms related to material characteristics ... 3
3.4 Terms related to service conditions ... 4
3.5 Terms related to joints ... 4

4 Symbols and abbreviated terms ... **5**
4.1 Symbols ... 5
4.2 Abbreviated terms ... 6

5 Fitness for purpose of the system ... **6**
5.1 Method of preparation of assemblies for testing ... 6
5.1.1 General ... 6
5.1.2 Butt fusion joints ... 6
5.1.3 Electrofusion joints ... 7
5.1.4 Mechanical joints ... 7
5.1.5 Socket fusion joints ... 7
5.2 Requirements for fitness for purpose ... 7
5.2.1 General ... 7
5.2.2 Fitness for purpose of the system for butt fusion joints ... 7
5.2.3 Fitness for purpose of the system for electrofusion joints ... 8
5.2.4 Fitness for purpose of the system for mechanical joints ... 9
5.3 Conditioning ... 10
5.4 Requirements ... 10
5.5 Testing of pipe with coextruded layers ... 11

6 Design coefficient ... **11**

Annex A (informative) **Derating coefficients for operating temperatures** ... **12**

Annex B (normative) **Rapid crack propagation resistance of pipe at operating temperature less than 0 °C** ... **13**

Bibliography ... **14**

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Full document details: BS ISO 4437-5:2024

Foreword

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This document was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 4, *Plastics pipes and fittings for the supply of gaseous fuels*.

This second edition cancels and replaces the first edition (ISO 4437-5:2014), which has been technically revised.

The main changes are as follows:

— PE 100-RC type materials with enhanced resistance to slow crack growth (SCG) have been added;

— test methods have been updated and new methods have been added for PE 100-RC materials.

A list of all parts in the ISO 4437 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

The ISO 4437 series specifies the requirements for a piping system and its components made from polyethylene (PE) compounds, which is intended to be used for the supply of gaseous fuels.

This document covers the characteristics of fitness for purpose of the system.

Requirements and test methods for materials and components of the piping system are specified in ISO 4437-1, ISO 4437-2, ISO 4437-3 and ISO 4437-4.

Recommended practice for design, handling and installation is given in ISO/TS 10839.

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