



**ISO 4437-5**

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

**Part 5:  
Fitness for purpose of the system**

*Systèmes de canalisations en plastique pour la distribution de  
combustibles gazeux — Polyéthylène (PE) —*

*Partie 5: Aptitude à l'emploi du système*

**Second edition  
2024-02**



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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.

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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.