INTERNATIONAL STANDARD

ISO 4437-5

First edition
2014-01-15

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

Part 5:
Fitness for purpose of the system

Systèmes de canalisations en matières plastiques pour la d istribution de combustibles gazeux — Polyéthylène (PE) —

Partie 5: Aptitude à l'emploi du système

Reference number
ISO 4437-5:2014(E)

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Published in Switzerland

Contents

Page

Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is 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 first edition of ISO 4437-5 together with the first editions of ISO 4437-1, ISO 4437-2 and ISO 4437-3 cancel and replace ISO 4437:2007, ISO 8085-1:2001, ISO 8085-2:2001 and ISO 8085-3:2001, of which they constitute a technical revision.

ISO 4437 consists of the following parts, under the general title *Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE)*:

— *Part 1: General*

— *Part 2: Pipes*

— *Part 3: Fittings*

— *Part 4: Valves*

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

Introduction

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

Requirements and test methods for material and components are specified in ISO 4437-1, ISO 4437-2, ISO 4437-3, and ISO 4437-4.

Recommended practice for installation is given in ISO/TS 10839.[2]

This part of ISO 4437 covers the characteristics of fitness for purpose of the system.