INTERNATIONAL STANDARD

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AMENDMENT 1
2007-06-15

Plastics piping systems for hot and cold water installations — Polybutylene (PB) —

Part 1: General

AMENDMENT 1

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide — Polybutène (PB) —

Partie 1: Généralités

AMENDEMENT 1

Reference number
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Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

Amendment 1 to ISO 15876-1:2003 was prepared by the European Committee for Standardization (CEN) in collaboration with Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 2, *Plastics pipes and fittings for water supplies*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Introduction

In ISO 15876-2:2003, the *base pipe* is required to fulfil the dimensional requirements and the barrier is an "add on" giving to the finished product a wall thickness and outside diameter greater than stated in that part of ISO 15876. In some countries it is common practice that the finished product be required to fulfil the dimensional requirements of the standard.

This situation creates a problem throughout the world due to different requirements in different countries. It illustrates the need to have a common procedure on the market for dealing with this matter.

ISO 15876-2:2003/Amd. 1:2007 was developed to clarify the requirements on dimensions and tolerances for barrier pipes and create a common procedure for designing and testing those pipes.

Amendment 1 to ISO 15876-1:2003 clarifies the definition of the term *pipes with barrier layer* and supplements ISO 15876-2:2003/Amd. 1:2007.

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Replace the definition of the term with the following:

3.1.4
pipes with barrier layer
plastics pipes provided with a thin barrier layer (e.g. to prevent or greatly diminish the diffusion of gases and the transmission of light through the pipe wall) and where the design stress requirements are totally met by the base polymer

NOTE Such pipes typically have an outside (barrier) layer of maximum 0,4 mm thickness, including any adhesive. Pipes with an outside layer greater than 0,4 mm are considered as multilayer pipes (see Bibliographic references [5] to [8]), with the outside layer then being the first of multiple layers rather than having only a barrier function.

Page 8, Bibliography

Add the following to the Bibliography:

[5] ISO 21003-1[1)], *Multilayer piping systems for hot and cold water installations inside buildings — Part 1: General*

[6] ISO 21003-2[1)], *Multilayer piping systems for hot and cold water installations inside buildings — Part 2: Pipes*

[7] ISO 21003-3[1)], *Multilayer piping systems for hot and cold water installations inside buildings — Part 3: Fittings*

[8] ISO 21003-5[1)], *Multilayer piping systems for hot and cold water installations inside buildings — Part 5: Fitness for purpose of the system*

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