

Thermoplastics piping systems for non-pressure applications - Test method for watertightness (ISO 13254:2010)

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 13254:2017 sisaldab Euroopa standardi EN ISO 13254:2017 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 13254:2017 consists of the English text of the European standard EN ISO 13254:2017.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 18.10.2017.	Date of Availability of the European standard is 18.10.2017.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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English Version

Thermoplastics piping systems for non-pressure  
applications - Test method for watertightness (ISO  
13254:2010)

Systèmes de canalisations thermoplastiques pour  
applications sans pression - Méthode d'essai de  
l'étanchéité à l'eau (ISO 13254:2010)

Rohrleitungssysteme aus Thermoplasten für drucklose  
Anwendungen - Prüfverfahren auf die Wasserdichtheit  
(ISO 13254:2010)

This European Standard was approved by CEN on 19 September 2017.

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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

## European Foreword

The text of ISO 13254:2010 has been prepared by Technical Committee ISO/TC 138 “Plastics pipes, fittings and valves for the transport of fluids” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 13254:2017 by Technical Committee CEN/TC 155 “Plastics piping systems and ducting systems” the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by April 2018 and conflicting national standards shall be withdrawn at the latest by October 2020.

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This document supersedes EN 1053:1995.

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### Endorsement notice

The text of ISO 13254:2010 has been approved by CEN as a EN ISO 13254:2017 without any modification.

# Thermoplastics piping systems for non-pressure applications — Test method for watertightness

## 1 Scope

This International Standard specifies a test method for watertightness of thermoplastics products fabricated from more than one piece for non-pressure applications, and joints of thermoplastics piping systems for non-pressure applications.

## 2 Principle

A test assembly comprising either a fabricated product or an assembly of pipes and/or fittings is subjected to a given internal hydrostatic pressure for a given time period during which the leaktightness of the fabricated product or the joint is verified by inspection.

NOTE It is assumed that the following test parameters are set by the referring standard:

- a) the sampling procedure (see 4.1 and Clause 5);
- b) the number of test pieces (see 4.2).

## 3 Apparatus

**3.1 End-sealing devices**, having a size and using a sealing method that are appropriate to the type of joint assembly under test. The devices shall be restrained in such a manner that does not exert longitudinal forces on the joint assembly and prevents the devices or the assembly under test from separating under pressure. The mass of the devices shall not be permitted to influence the angular deflection to be applied (see 5.2).

**3.2 Hydrostatic pressure source**, connected to one end of at least one end-sealing device, capable of applying the required pressure gradually and evenly in accordance with 5.4, and then of keeping it constant to within  $^{+2}_{-1}$  % for the required duration of test (see Clause 5).

**3.3 Bleed valve**, capable of venting air when the hydrostatic pressure is applied to the test piece.

**3.4 Pressure-measuring device**, capable of checking conformity to the required test pressure (see 3.2 and Clause 5).