

**Plastist torustiku- ja kanalisüsteemid. Termoplasttorud.
Pikisuunalise taastumise kindlaksmääramine**

Plastics piping and ducting systems - Thermoplastics pipes -
Determination of the longitudinal reversion

EESTI STANDARDI EESSÕNA

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Võtmesõnad: kindlaksmääramine, mõõtmete stabiilsus, plasttorud, tagasipöördumine, temperatuuritestid, termoplastvaigud,

Inglisekeelsed võtmesõnad: determination, dimensional stability, plastics pipes, reversion, temperature tests, thermoplastic resins,

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EUROPEAN STANDARD

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English version

**Plastics piping and ducting systems -
Thermoplastics pipes - Determination of the
longitudinal reversion**

Systèmes de canalisations et de gaines
plastiques - Tubes thermoplastiques -
Détermination du retrait longitudinal à chaud

Kunststoff-Rohrleitungs- und Schutzrohrsysteme
- Rohre aus Thermoplasten - Bestimmung des
Längsschrumpfes

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member,

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

This standard was prepared by CEN/TC 155 "Plastics piping systems and ducting systems". It received approval from the CEN members on 1993-09-16

This standard is based on the International Standard ISO 3478:1975 "Polypropylene (PP) pipes - Determination of longitudinal reversion" prepared by the International Organization for Standardization (ISO). It is a modification of ISO 3478 for reasons of applicability to other plastics materials and/or other test conditions and alignment with texts of other standards on test methods.

The provisions of the following international standards or draft international standards have also been taken into account:

ISO 2505:1981	Unplasticized polyvinyl chloride (PVC) pipes - Longitudinal reversion - Test methods and specification
ISO 2506:1981	Polyethylene (PE) pipes - Longitudinal reversion - Test methods and specification
ISO/DP 4438	Chlorinated polyvinyl chloride (PVC-C) pipes - Determination of longitudinal reversion

The modifications are:

- no material is mentioned;
- test parameters, except those common to all thermoplastics, are omitted;
- no material-dependent or performance requirements are given;
- editorial changes have been introduced.

The material-dependent parameters and/or performance requirements are incorporated in the System Standard(s) concerned.

No existing European Standard is superseded by this standard.

This standard is one of a series of standards on test methods which support System Standards for plastics piping systems and ducting systems.

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 July 1994, and conflicting national standards shall be withdrawn at the latest by July 1994.

The Standard was approved and in accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

1 Scope

This standard specifies two methods for determining the longitudinal reversion of cylindrical thermoplastics pipes with smooth surfaces.

It provides test methods to be carried out in liquid (method A) or in air (method B).

2 Method A: Determination of reversion using a liquid bath

2.1 Principle

A pipe of given length is immersed in an inert liquid maintained at a specified temperature for a specified duration of immersion (see note).

A marked length on this pipe is measured under identical conditions before and after immersion.

The reversion is calculated as the percentage change in length in relation to the initial length.

NOTE: It is assumed that the following test parameters are set by the standard making reference to this standard:

- a) the test temperature, T_R (see 2.2.1 and 2.5.2);*
- b) the length of the test piece (see 2.3);*
- c) the duration of the immersion, with limiting values (see 2.5.4);*