EESTI STANDARD EVS-EN 1446:1999

Plastist torustiku- ja kanalisüsteemid. Termoplasttorud. Ringelastsuse kindlaksmääramine

Plastics piping and ducting systems - Thermoplastics pipes - Determination of ring flexibility

EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1446:1999 sisaldab Euroopa standardi EN 1446:1996 ingliskeelset teksti. Käesolev dokument on jõustatud 12.12.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 1446:1999 consists of the English text of the European standard EN 1446:1996. This document is endorsed on 12.12.1999 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: Käesolev standard määrab kindlaks ümmarguse ristlõikega termoplasttorude ringelastsuse testimise meetodi.	**Scope:**

ICS 23.040.20

Võtmesõnad: kindlaksmääramine, paindeteimid, painduvus, plasttorud, termoplastvaigud, testimine

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Descriptors: Plastics, pipes, thermoplastics, flexibility, testing.

English version

Plastics piping and ducting systems

Thermoplastics pipes

Determination of ring flexibility

Systèmes de canalisations et de gaines en plastiques; tubes thermoplastiques; essai de la flexibilité annulaire

Kunststoff-Rohrleitungs- und Schutzrohrsysteme; Rohre aus Thermoplasten; Bestimmung der Ringflexibilität

This European Standard was approved by CEN on 1996-01-04.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

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

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

Ref. No. EN 1446:1996 E

Foreword

This European Standard has been prepared by the Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems" of which the secretariat is held by NNI.

This draft standard is based on clause 6 of the latest version of the draft for the international standard ISO/DIS 9971-1 "Light weight pipes and fittings of unplasticized polyvinyl chloride (PVC-U) for buried drain and sewer - Specifications" prepared by the International Organization for Standardization (ISO). It is a modification of clause 6 for reasons of the need for a separate supporting standard.

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

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 1996, and conflicting national standards shall be withdrawn at the latest by July 1996 .

According to 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 a method for testing the ring flexibility of a thermoplastics pipe having a circular cross section.

The method enables determination of the deflection, and necessary force, at which physical damage, if any (see 7.2), occurs within 30 % diametric deflection.

2 Normative references

This standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter.
For dated references, subsequent amendments to or revisions of any of these publications apply to this standard only when incorporated in it by amendment or revision.
For undated references the latest edition of the publication referred to applies.

EN ISO 9969:1995 *Thermoplastics pipes - Determination of ring stiffness*

3 Principle

The ring flexibility of a pipe is tested by measuring the force and the deflection while deflecting a ring section from the pipe diametrically at a constant speed until a deflection of at least 30 % is achieved or prior fracture has occurred.

Each test piece is monitored during testing and subsequently inspected for signs of several specific types of mechanical failure.

4 Apparatus

4.1 Compression testing machine conforming to that required for EN ISO 9969 but capable of producing at least 30 % diametric deflection of the test piece at the applicable speed (see table 1 of EN ISO 9969:1995).