

## **Plastics piping systems - Thermoplastics fittings - Test method for impact strength**

Plastics piping systems - Thermoplastics fittings -  
Test method for impact strength

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12061:2001 sisaldab Euroopa standardi EN 12061:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.06.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12061:2001 consists of the English text of the European standard EN 12061:1999.</p> <p>This document is endorsed on 18.06.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

<p><b>Käsitlusala:</b></p> <p>This standard specifies a method for testing the impact resistance of fittings by dropping them onto a rigid surface. For a fitting with seal retaining components, such as seal retaining caps or rings, the method includes assessment of the watertightness of the fittings when the fixing elements show disturbance as a result of the test.</p> <p>This standard is applicable to fittings made from thermoplastics materials intended to be used for buried and above ground applications.</p>	<p><b>Scope:</b></p> <p>This standard specifies a method for testing the impact resistance of fittings by dropping them onto a rigid surface. For a fitting with seal retaining components, such as seal retaining caps or rings, the method includes assessment of the watertightness of the fittings when the fixing elements show disturbance as a result of the test.</p> <p>This standard is applicable to fittings made from thermoplastics materials intended to be used for buried and above ground applications.</p>
---	---

ICS 23.040.45

**Võtmesõnad:** impact tests, pipe fittings, plastic tubes, shock resistance, thermoplastic resins

ICS 23.040.45

Descriptors: Plastics, pipes, fittings, impact strength, testing.

**English version**

Plastics piping systems  
**Thermoplastics fittings**  
Test method for impact strength

Systèmes de canalisations en  
plastique – Raccords en thermo-  
plastique – Méthode d'essai de  
résistance au choc

Kunststoff-Rohrleitungssysteme –  
Formstücke aus Thermoplasten –  
Bestimmung der Schlagzähigkeit

This European Standard was approved by CEN on 1998-11-30.

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.

The European Standards exist 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, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

**CEN**

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

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

## Foreword

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

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 1999, and conflicting national standards shall be withdrawn at the latest by July 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This standard is based on the test method described in 6.2.1 of ISO 4435:1991 "Unplasticized poly(vinyl chloride) (PVC-U) pipes and fittings for buried drainage and sewerage systems - Specifications", prepared by the International Organization for Standardization (ISO). It is a modification of ISO 4435:1991 for reasons of applicability to other plastics materials and/or other test conditions and alignment with texts of other standards on test methods.

The modifications are:

- editorial changes have been introduced;
- the possibility of specifying the position from which the fitting shall be dropped is introduced;
- assessment of the effect of the test impact on watertightness is introduced.

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.