

Testing of welded joints of thermoplastics semi-finished products - Part 2: Tensile test

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12814-2:2000 sisaldab Euroopa standardi EN 12814-2:2000 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 17.07.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12814-2:2000 consists of the English text of the European standard EN 12814-2:2000.</p> <p>This document is endorsed on 17.07.2000 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>
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<p>Käsitlusala:</p> <p>This standard specifies the dimensions, the method of sampling and the preparation of the test specimens, also the conditions for performing the tensile test perpendicular to the weld in order to determine the short term tensile welding factor.</p>	<p>Scope:</p> <p>This standard specifies the dimensions, the method of sampling and the preparation of the test specimens, also the conditions for performing the tensile test perpendicular to the weld in order to determine the short term tensile welding factor.</p>
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ICS 25.160.40

Võtmesõnad:

English version

**Testing of welded joints of thermoplastics
semi-finished products**

Part 2: Tensile test

Essais des assemblages soudés sur
produits semi-finis en thermo-
plastiques – Partie 2: Essai de
traction

Prüfen von Schweißverbindungen aus
thermoplastischen Kunststoffen –
Teil 2: Zugversuch

This European Standard was approved by CEN on 1999-11-27.

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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

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN.

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 2000, and conflicting national standards shall be withdrawn at the latest by July 2000.

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.

1 Scope

This standard specifies the dimensions, the method of sampling, the preparation of the test specimens and the conditions for performing the tensile test in order to determine the short term tensile welding factor.

A tensile test may be used in conjunction with other tests (e.g. bend, tensile creep, macro...) to assess the performance of welded assemblies, made from thermoplastics materials.

The test is applicable to co-axial or co-planar welded assemblies made from thermoplastics materials filled or unfilled, but not reinforced, irrespective of the welding process used.

2 Normative references

This European 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.

ISO 527-1, *Plastics - Determination of tensile properties - Part 1 : General principles*

ISO 5893:1993, *Rubber and plastics test equipment - Tensile, flexural and compression types (constant rate of traverse) - Description*

ISO/DIS 13953:1996, *Polyethylene (PE) pipes and fittings - Determination of the tensile strength of test specimens from a butt-fused joint*

EN 13100-1, *Non destructive testing of welded joints of thermoplastics semi-finished products – Part 1: Visual examination*