

Testing of welded joints of thermoplastics semi-finished products - Part 5: Macroscopic examination

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12814-5:2000 sisaldab Euroopa standardi EN 12814-5:2000 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.12.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12814-5:2000 consists of the English text of the European standard EN 12814-5:2000.</p> <p>This document is endorsed on 18.12.2000 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 cutting and preparation of test specimens and the conditions for performing the macroscopic examination of the test specimens. The test is applicable to welded assemblies made from thermoplastics materials filled or unfilled, using the following processes:</p> <ul style="list-style-type: none">- hot gas welding: round nozzle, high speed nozzle, wedge;- extrusion welding;- heated tool welding: butt, saddle, socket, wedge;- electrofusion welding: socket, saddle.	<p>Scope:</p> <p>This standard specifies the cutting and preparation of test specimens and the conditions for performing the macroscopic examination of the test specimens. The test is applicable to welded assemblies made from thermoplastics materials filled or unfilled, using the following processes:</p> <ul style="list-style-type: none">- hot gas welding: round nozzle, high speed nozzle, wedge;- extrusion welding;- heated tool welding: butt, saddle, socket, wedge;- electrofusion welding: socket, saddle.
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ICS 25.160.40

Võtmesõnad:

English version

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

Part 5: Macroscopic examination

Essai des assemblages soudés sur
produits semi-finis en thermo-
plastiques – Partie 5: Examen
macroscopique

Prüfen von Schweißverbindungen aus
thermoplastischen Kunststoffen –
Teil 5: Makroskopische Untersuchung

This European Standard was approved by CEN on 2000-06-24.

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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 January 2001, and conflicting national standards shall be withdrawn at the latest by January 2001.

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 cutting and preparation of test specimens and the conditions for performing the macroscopic examination of the test specimens.

The test is applicable to welded assemblies made from thermoplastics materials filled or unfilled, using the following processes :

- hot gas welding : round nozzle, high speed nozzle, wedge ;
- extrusion welding ;
- heated tool welding : butt, saddle, socket, wedge ;
- electrofusion welding : socket, saddle.

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 European standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

prEN 13067:1999, Plastics welding personnel — Approval testing of welders — Thermoplastics welded assemblies.

3 Terms and definitions

For the purposes of this standard, the following definition applies :

3.1

macroscopic examination

examination of a test specimen by the naked eye, or under low magnification, with or without etching

4 Principle of the test

Macroscopic examination is used to reveal the macroscopic features of a welded joint, usually by the examination of transverse sections.

5 Purpose of the test

The purpose of macroscopic examination shall be to assess features as described in table 1.

The features to be examined shall be given in the corresponding quality level standard.

Imperfections are defined by a reference number.