

Welding of thermoplastics - Machines and equipment for hot gas welding (including extrusion welding)

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13705:2004 sisaldab Euroopa standardi EN 13705:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 26.10.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13705:2004 consists of the English text of the European standard EN 13705:2004.</p> <p>This document is endorsed on 26.10.2004 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: This European Standard specifies general performance requirements of the machines and equipment for welding by hot gas of semi-finished products made from thermoplastics, including hot gas extrusion welding.</p>	<p>Scope: This European Standard specifies general performance requirements of the machines and equipment for welding by hot gas of semi-finished products made from thermoplastics, including hot gas extrusion welding.</p>
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Võtmesõnad:

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English version

Welding of thermoplastics - Machines and equipment for hot gas welding (including extrusion welding)

Soudage des thermoplastiques - Machines et appareillages pour le soudage au gaz chaud (y compris le soudage par extrusion)

Schweißen von Thermoplasten - Maschinen und Geräte für das Warmgasschweißen (einschließlich Warmgas-Extrusionsschweißen)

This European Standard was approved by CEN on 23 April 2004.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 13705:2004) 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 2005, and conflicting national standards shall be withdrawn at the latest by January 2005.

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

1 Scope

This document specifies general performance requirements of the machines and equipment for welding by hot gas of semi-finished products made from thermoplastics, including hot gas extrusion welding.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 562, *Gas welding equipment — Pressure gauges used in welding, cutting and allied processes.*

EN ISO 2503, *Gas welding equipment — Pressure regulators for gas cylinders used in welding, cutting and allied processes up to 300 bar (ISO 2503:1998).*

3 Requirements

3.1 General requirements

3.1.1 Marking

All machinery and equipment shall be permanently and clearly marked detailing manufacturer, type of machinery/equipment, serial number or production characteristic number, characteristic data and mains supply.

3.1.2 Documentation

Operational and servicing requirements shall be provided with each item of equipment. The minimum details are:

- technical description of the equipment;
- specification of suitable welding nozzles;
- servicing schedule;
- fault diagnosis and recommended corrective action.

A list of possible malfunctions and errors is recommendable, also containing their causes and details of how they can be remedied.

3.1.3 Accessories – Nozzles

Welding nozzles shall be designed to be firmly fastened during operation but easily removable for interchangeability. The material used for nozzles shall be corrosion resistant, shall not produce particulates and not be of copper or copper alloy.